TEST REPORT

Applicant Name:	Fanvil Technology Co., Ltd
Address:	10/F Block A, Dualshine Global Science Innovation Center, Honglang North 2nd Road, Bao'an District, Shenzhen, 518101, China
Report Number:	2401Y99992E-RF-00A
FCC ID:	2APPZ-V66PRO

Test Standard (s)

FCC PART 15.407

Sample Description

Product Type:	IP Phone
Model No.:	V66 Pro
Multiple Model(s) No.:	J660 Pro
Trade Mark:	Fanvil
Date Received:	2024-10-21
Issue Date:	2025-02-07

Test Result:	Pass▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Ekko Wu
RF Engineer

Approved By:

Nancy Wang
RF Supervisor

Note: The information marked# is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼".

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401Y99992E-RF-00A	Original Report	2025-02-07

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	IP Phone
Tested Model	V66 Pro
Multiple Model(s)	J660 Pro
Frequency Range	5150-5250MHz; 5725-5850MHz
Mode	802.11a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80
Maximum Conducted Average Output Power	5150-5250MHz: 14.48dBm 5725-5850MHz: 15.23dBm
Modulation Technique	OFDM, OFDMA
Antenna Specification#	5.2dBi (provided by the applicant)
Voltage Range	DC 12V from Adapter or DC 48V from PoE
Sample serial number	2T2R-2 for Conducted and Radiated Emissions Test 2T2R-3 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Adapter 1 Model: DCT18W120150US-A0 Input: 100-240V~50/60Hz 0.7A max Output:12.0V, 1.5A Adapter 2 Model: F18L16-120150SPAU Input: 100-240V~50/60Hz 0.6A Output: 12.0V, 1.5A 18.0W
Note: 1. The Multiple models are electrically identical with the test model except for model name, touch screen, appearance structural. Please refer to the declaration letter# for more detail, which was provided by manufacturer. 2. The EUT powered by two adapters or POE, the worst case power supply Adapter1 was selected to test for AC line conducted emission according to the BT report test result and the worst case power supply adapter 2 was selected to test for radiated emission below 1GHz according to the 2.4G Wi-Fi report test result. 3. The model J660 Pro was evaluated under BT report, according to the result, it was verified model J660 Pro is compliant with requirement, so the model J660 Pro not performed in this report.	

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB789033 D02 General U-NII Test Procedures New Rules v02r01.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		109.2kHz(k=2, 95% level of confidence)
RF Frequency		56.6Hz(k=2, 95% level of confidence)
RF output power, conducted		0.86dB(k=2, 95% level of confidence)
Unwanted Emission, conducted		1.60dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.63dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 30MHz	3.60dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.73dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.34dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.40dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.64dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode, which was provided by manufacturer.

For 5150-5250MHz Band, 7 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
38	5190	46	5230
40	5200	48	5240
42	5210	/	/

For 802.11a/ac20/ax40 mode: channel 36, 40, 48 were tested;
For 802.11ac40/ax40 mode: channel 38, 46 were tested;
For 802.11ac80/ax80 mode, channel 42 was tested.

For 5725-5850MHz Band, 8 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785
151	5755	159	5795
153	5765	161	5805
155	5775	165	5825

For 802.11a/ac20/ax20 mode: channel 149, 157, 165 were tested;
For 802.11ac40/ax40 mode: channel 151, 159 were tested;
For 802.11ac80/ax80 mode, channel 155 was tested.

EUT Exercise Software

Exercise Software#	SecureCRTPortable.exe		
5150-5250 MHz Band			
Mode	Test Channels	Data rate	**Power Level#**
802.11a	Low	6Mbps	Default
	Middle	6Mbps	Default
	High	6Mbps	Default
802.11ac-VHT20	Low	MCS0	Default
	Middle	MCS0	Default
	High	MCS0	Default
802.11ac-VHT40	Low	MCS0	Default
	High	MCS0	Default
802.11ac-VHT80	Middle	MCS0	Default
802.11ax-HE20	Low	MCS0	Default
	Middle	MCS0	Default
	High	MCS0	Default
802.11ax-HE40	Low	MCS0	Default
	High	MCS0	Default
802.11ax-HE80	Middle	MCS0	Default
5725-5850 MHz Band			
Mode	Test Channels	Data rate	**Power Level#**
802.11a	Low	6Mbps	Default
	Middle	6Mbps	Default
	High	6Mbps	Default
802.11ac-VHT20	Low	MCS0	Default
	Middle	MCS0	Default
	High	MCS0	Default
802.11ac-VHT40	Low	MCS0	Default
	High	MCS0	Default
802.11ac-VHT80	Middle	MCS0	Default
802.11ax-HE20	Low	MCS0	Default
	Middle	MCS0	Default
	High	MCS0	Default
802.11ax-HE40	Low	MCS0	Default
	High	MCS0	Default
802.11ax-HE80	Middle	MCS0	Default

Note:
1. The worst-case data rates are determined to be as follows for each mode based upon inverstigation by measuring the average power and PSD across all data rates bandwidths, and modulations.
2. The n20/n40 mode was reduced test as identical parameter with ac20/ac40 mode.
3. For 802.11 ax modes, the device not support partial RU mode.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

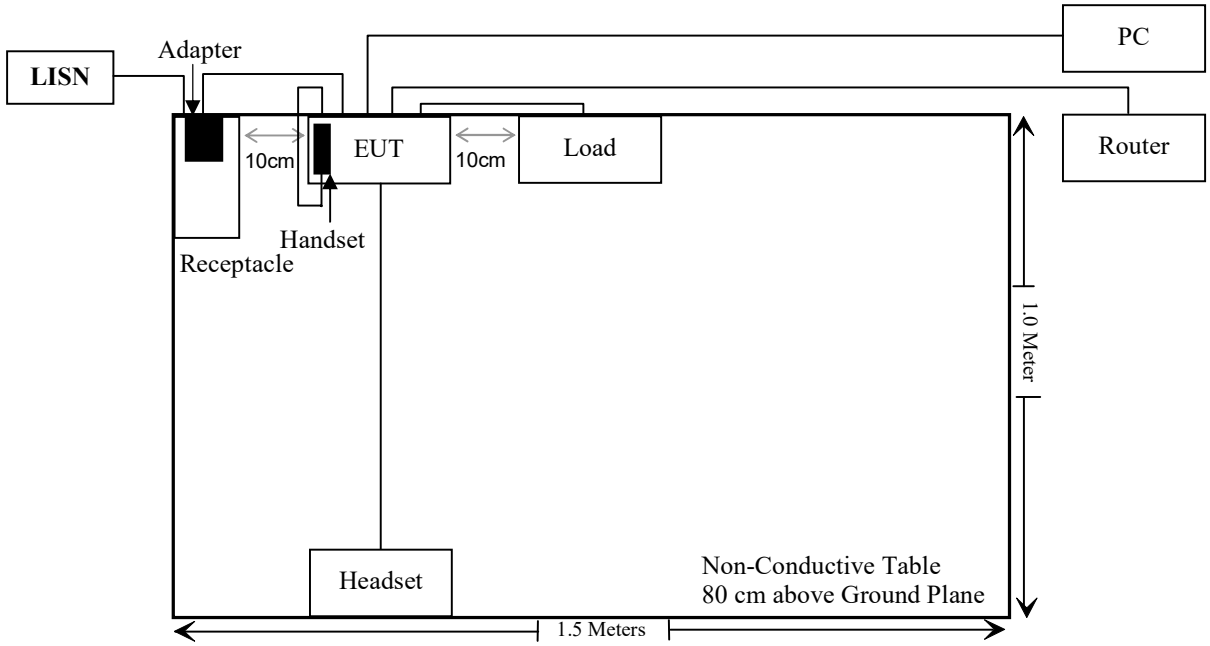
Manufacturer	Description	Model	Serial Number
DELL	PC	Latitude E5430	37K4X AOO
HIKVISION	Router	DS-3WR03	10021642429
Unknown	USB disk	Unknown	Unknown
BACL	Load	Unknown	Unknown
Unknown	Headset	Unknown	Unknown
Fanvil	Handset	Unknown	Unknown

External I/O Cable

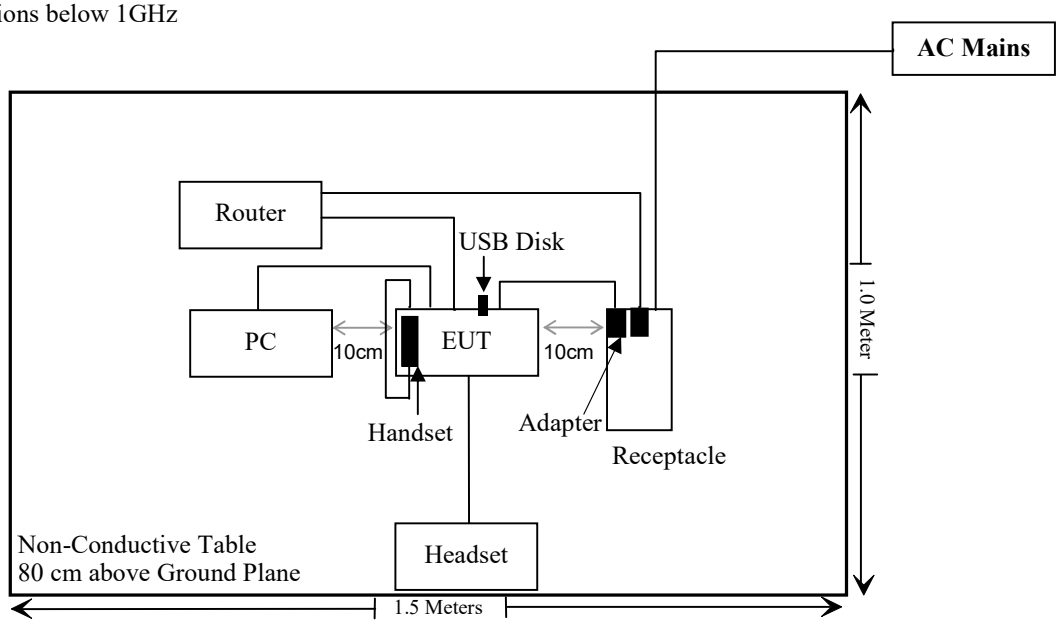
Cable Description	Length (m)	From Port	To
Unshielded Detachable AC cable	1.5	Receptacle	LISN/AC Mains
Unshielded Un-detachable DC cable	1.5	Adapter	EUT
Unshielded Un-detachable Audio cable	1.0	EUT	Headset
Unshielded Un-detachable RJ11 cable	0.2	EUT	Handset
Unshielded Un-detachable USB cable	0.3	EUT	Load
Unshielded Detachable RJ45 cable	1.5	EUT	PC
Unshielded Detachable RJ45 cable	3.0	EUT	PC
Unshielded Detachable RJ45 cable	1.5	EUT	Router
Unshielded Detachable RJ45 cable	3.0	EUT	Router

Block Diagram of Test Setup

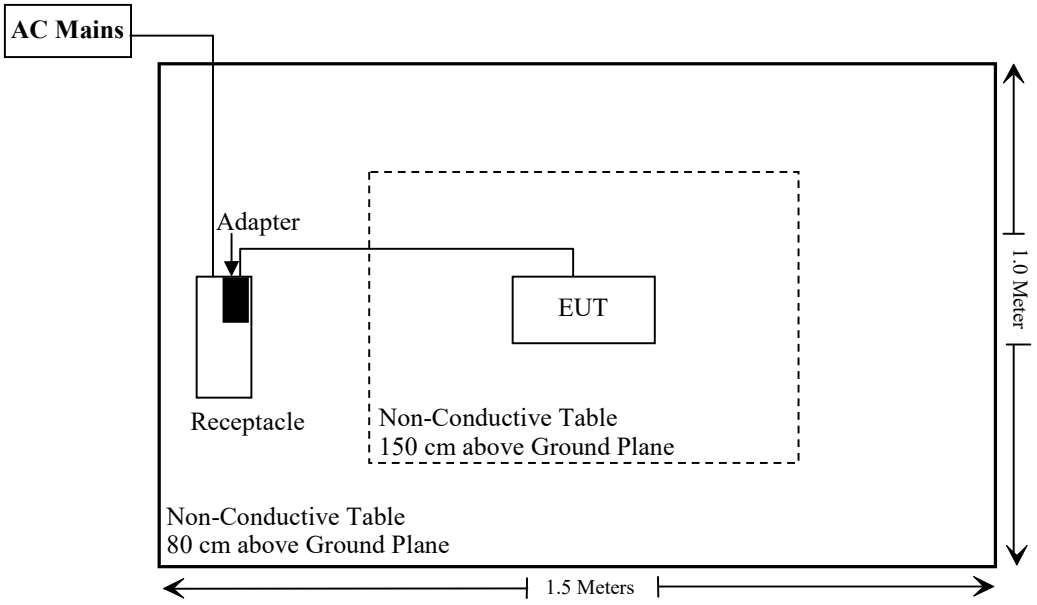
For Conducted Emissions:



For Radiated Emissions below 1GHz



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.407(b)(9)& §15.207(a)	Conducted Emissions	Compliant
§15.205& §15.209 &§15.407(b)	Undesirable Emission& Restricted Bands	Compliant
§15.407(a) (e)	26 dB Emission Bandwidth & 6dB Bandwidth	Compliant
§15.407(a)	Conducted Transmitter Output Power	Compliant
§15.407 (a)	Power Spectral Density	Compliant
§15.407 (h)	Transmit Power Control (TPC)	Not Applicable
§15.407 (h)	Dynamic Frequency Selection (DFS)	Not Applicable
C63.10 §11.6	Duty Cycle	/
§1.1307 ,§2.1091	MPE-Based Exemption	Compliant

Not Applicable: The device cannot operate on 5250-5350MHz/5470-5725MHz.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	2025/01/15
Rohde & Schwarz	LISN	ENV216	101613	2024/01/16	2025/01/15
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2024/05/21	2025/05/20
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2024/05/21	2025/05/20
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Radiated Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sonoma instrument	Pre-amplifier	310 N	186238	2024/05/21	2025/05/20
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Cable	Chamber A Cable 1	N/A	2024/06/18	2025/06/17
Unknown	Cable	XH500C	J-10M-A	2024/06/18	2025/06/17
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Cable	2Y194	0735	2024/05/21	2025/05/20
Unknown	Cable	PNG214	1354	2024/05/21	2025/05/20
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
COM-POWER	Pre-amplifier	PA-122	181919	2024/06/18	2025/06/17
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	RF Cable	KMSE	735	2024/06/18	2025/06/17
Unknown	RF Cable	UFA147	219661	2024/06/18	2025/06/17
Unknown	RF Cable	XH750A-N	J-10M	2024/06/18	2025/06/17
JD	Filter Switch Unit	DT7220FSU	DS79906	2024/09/09	2025/09/08
JD	Multiplex Switch Test Control Set	DT7220SCU	DS79903	2024/09/09	2025/09/08
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
UTIFLEX	RF Cable	NO. 13	232308-001	2024/06/18	2025/06/17
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSU26	200982	2024/09/20	2025/09/19
Rohde & Schwarz	Spectrum Analyzer	FSV40	101942	2024/09/20	2025/09/19
ANRITSU	Microwave peak power sensor	MA24418A	12622	2024/05/21	2025/05/20
Unknown	10dB Attenuator	Unknown	F-03-EM190	2024/06/27	2025/06/26

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

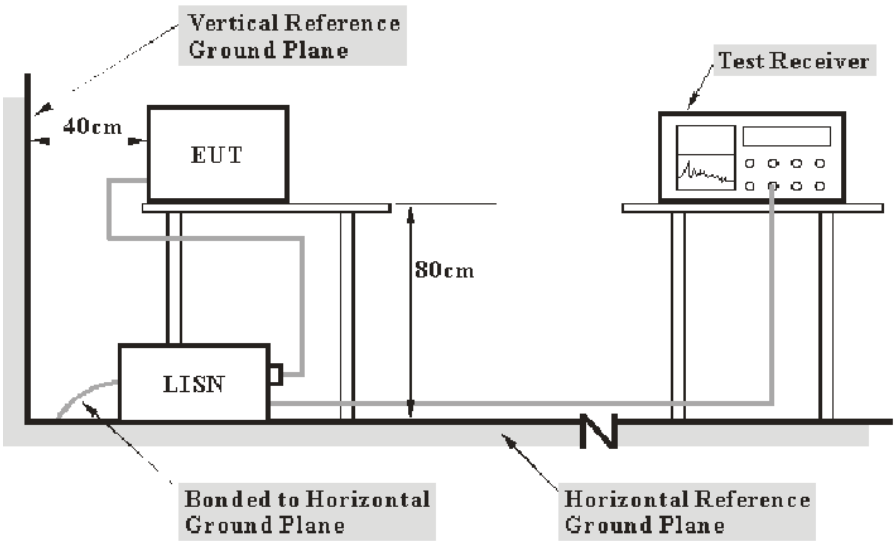
REQUIREMENTS AND TEST PROCEDURES

Conducted Emissions

Applicable Standard

FCC §15.207, §15.407(b) (6)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and Average detection mode.

Factor & Over Limit Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss

The "**Over limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

Over Limit = Level – Limit
Level = Read Level + Factor

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Undesirable Emission

Applicable Standard

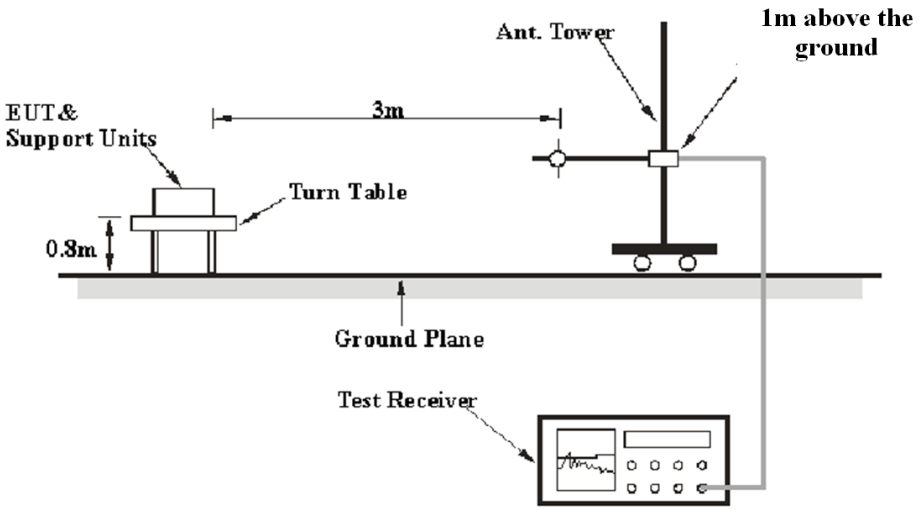
FCC §15.407 (b); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band:
(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

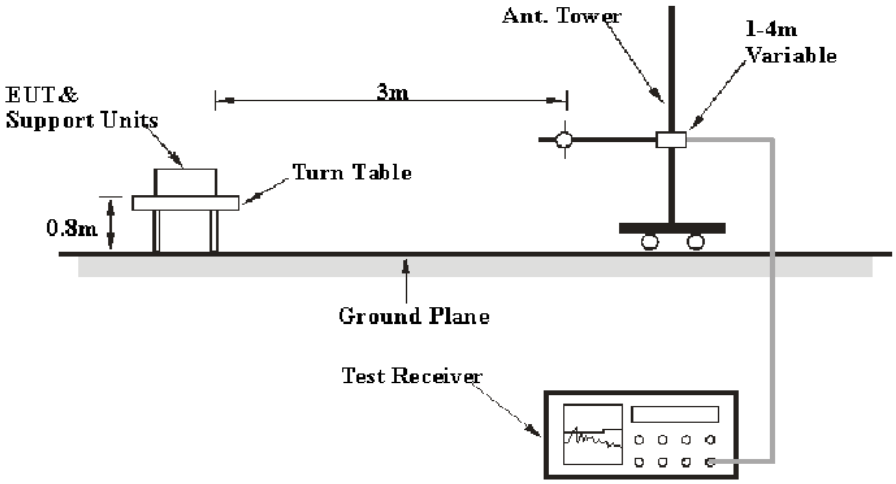
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

EUT Setup

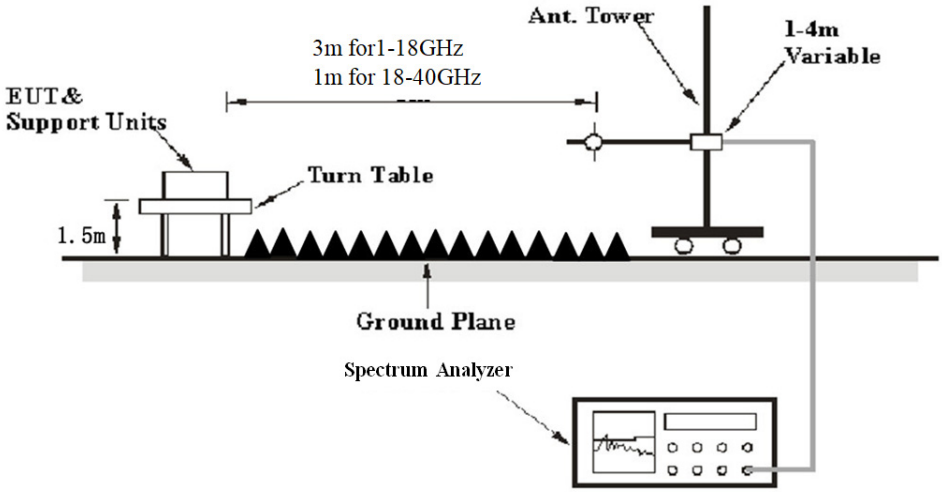
9 kHz-30MHz:



30MHz-1GHz:



Above 1 GHz:



The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC 15.209 and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9 kHz-1GHz:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	/	/	200 Hz	QP
	300 Hz	1 kHz	/	PK
150 kHz – 30 MHz	/	/	9 kHz	QP
	10 kHz	30 kHz	/	PK
30 MHz – 1000 MHz	/	/	120 kHz	QP
	100 kHz	300 kHz	/	PK

1-40GHz:

Pre-scan

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	5 kHz
	<98%	1MHz	≥1/Ton, not less than 5 kHz

Final measurement for emission identified during pre-scan

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	10 Hz
	<98%	1MHz	≥1/Ton

Note: Ton is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Test Procedure

Radiated Spurious Emission

During the radiated emission test, the adapter was connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all the installation combinations.

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

According to ANSI C63.10-2013,9.4: For field strength measurements made at other than the distance at which the applicable limit is specified, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of distance). In some cases, a different distance correction factor may be required;

$$E_{\mathrm{SpecLimit}} = E_{\mathrm{Meas}} + 20\log\left(\frac{d_{\mathrm{Meas}}}{d_{\mathrm{SpecLimit}}}\right)$$

where

$E_{\mathrm{SpecLimit}}$	is the field strength of the emission at the distance specified by the limit, in dBμV/m
E_{Meas}	is the field strength of the emission at the measurement distance, in dBμV/m
d_{Meas}	is the measurement distance, in m
$d_{\mathrm{SpecLimit}}$	is the distance specified by the limit, in m

So the extrapolation factor of 1m is 20*log(1/3)= -9.5 dB, for 18-40GHz range, the limit of 1m distance was added by 9.5dB from limit of 3m to compared with the result measurement at 1m distance.

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

The "**Over Limit/Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

Over Limit = Level – Limit; Margin = Limit–Corrected Amplitude
Level / Corrected Amplitude = Read Level + Factor

26 dB & 6dB Emission Bandwidth

Applicable Standard

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

According to KDB789033 D02 section II.C and section II.D

1. Emission Bandwidth (EBW)
a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

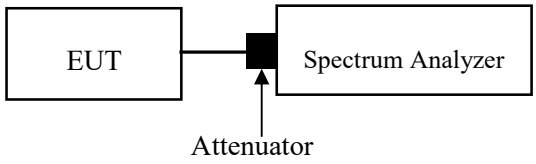
2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3. 99% Occupied Bandwidth:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Conducted Transmitter Output Power

Applicable Standard

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

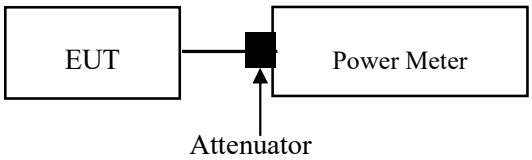
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method PM-G should be applied

a. Place the EUT on a bench and set it in transmitting mode.
b. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.



Note: A short RF cable with low cable loss connected to the EUT antenna port,which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Power Spectral Density

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Duty cycle ≥98%

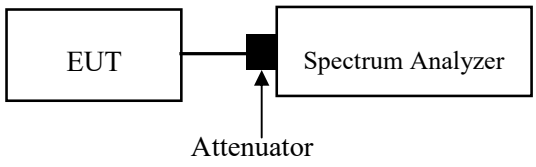
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle <98%, duty cycle variations are less than ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle <98%, duty cycle variations exceed ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.



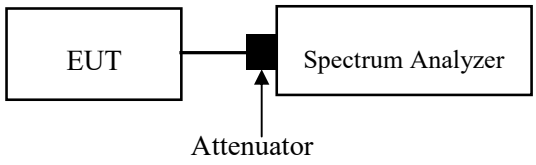
Note: A short RF cable with low cable loss connected to the EUT antenna port,which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable and/or power splitter loss

Duty Cycle

Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ RBW. Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T ≤ 16.7 μs.)



ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Antenna Connector Construction

The EUT has one internal antenna arrangement, which was permanently attached, the antenna gain[#] is 5.2dBi, fulfill the requirement of this section. Please refer to the EUT photos.

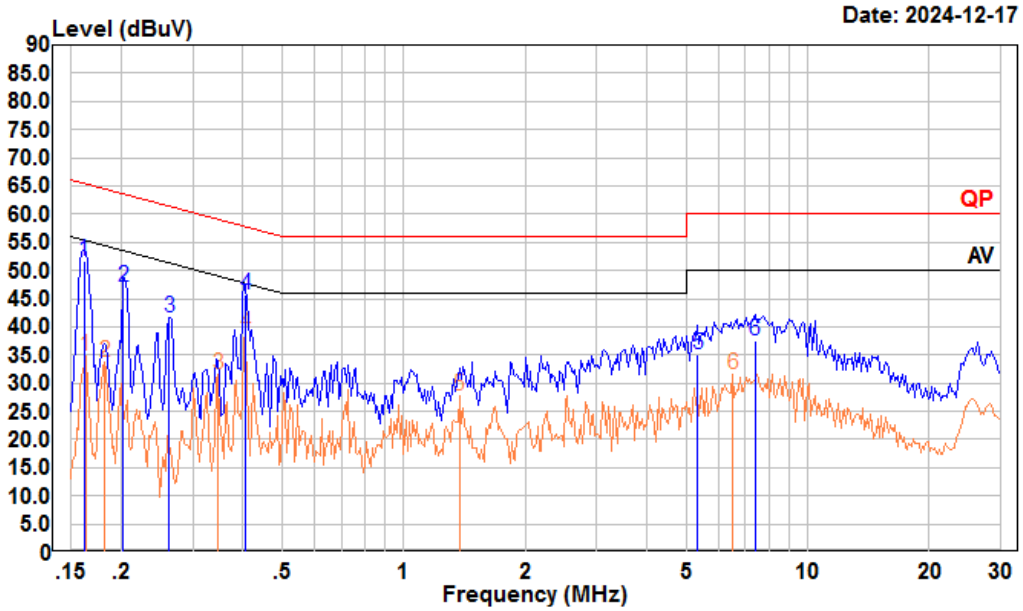
Result: Compliant

TEST DATA AND RESULTS

Conducted Emissions

Temperature (℃)	24	**Relative Humidity (%)**	62
ATM Pressure (kPa)	101	**Test engineer**	Macy.shi
Test date	2024.12.17		
EUT operation mode	Transmitting (Maximum output power mode, 802.11a 5745MHz)		

AC 120V 60 Hz, Line



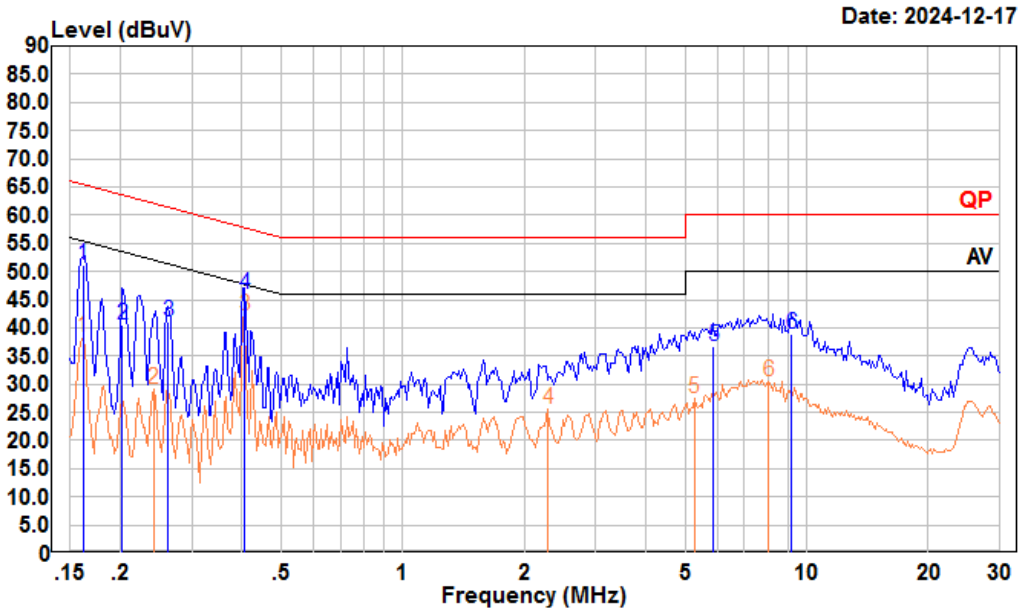
Trace: 1

Condition: Line
Project : 2401Y99992E-RF
tester : Macy.shi Note:Transmitting
Setting : RBW:9kHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.162	30.81	51.79	10.87	10.11	65.38	-13.59	QP
2	0.202	26.20	47.09	10.80	10.09	63.54	-16.45	QP
3	0.263	20.70	41.50	10.71	10.09	61.34	-19.84	QP
4	0.406	25.10	45.77	10.57	10.10	57.73	-11.96	QP
5	5.333	14.50	35.08	10.40	10.18	60.00	-24.92	QP
6	7.407	16.70	37.41	10.52	10.19	60.00	-22.59	QP

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.163	13.83	34.81	10.87	10.11	55.30	-20.49	Average
2	0.182	12.92	33.85	10.83	10.10	54.42	-20.57	Average
3	0.346	10.71	31.45	10.62	10.12	49.05	-17.60	Average
4	0.406	18.16	38.83	10.57	10.10	47.73	-8.90	Average
5	1.374	7.07	27.71	10.49	10.15	46.00	-18.29	Average
6	6.523	10.88	31.54	10.47	10.19	50.00	-18.46	Average

AC 120V 60 Hz, Neutral



Trace: 1

Condition: Neutral
Project : 2401Y99992E-RF
tester : Macy.shi Note:Transmitting
Setting : RBW:9kHz VBW:Auto SWT:Auto

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.162	30.50	51.16	10.55	10.11	65.38	-14.22	QP
2	0.202	20.00	40.49	10.40	10.09	63.54	-23.05	QP
3	0.263	20.40	40.98	10.49	10.09	61.34	-20.36	QP
4	0.406	25.10	45.83	10.63	10.10	57.73	-11.90	QP
5	5.867	16.00	36.79	10.61	10.18	60.00	-23.21	QP
6	9.156	17.80	38.78	10.78	10.20	60.00	-21.22	QP

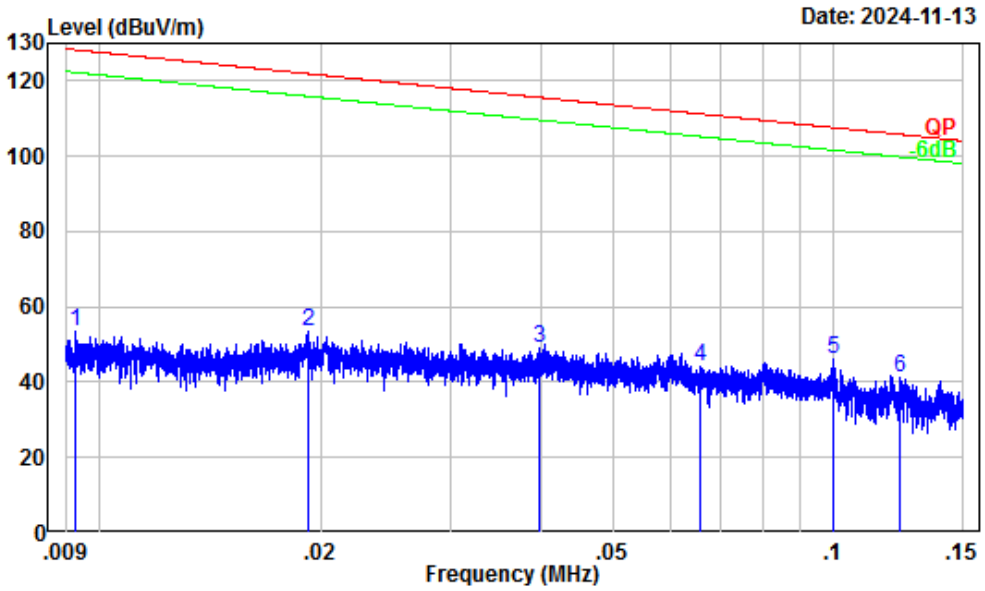
	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.162	17.63	38.29	10.55	10.11	55.38	-17.09	Average
2	0.242	8.58	29.12	10.46	10.08	52.04	-22.92	Average
3	0.406	21.35	42.08	10.63	10.10	47.73	-5.65	Average
4	2.285	4.94	25.52	10.40	10.18	46.00	-20.48	Average
5	5.277	6.76	27.49	10.55	10.18	50.00	-22.51	Average
6	8.062	9.62	30.56	10.74	10.20	50.00	-19.44	Average

Undesirable Emission

Temperature (℃)	25-26	**Relative Humidity (%)**	49-50
ATM Pressure (kPa):	101	**Test engineer:**	Carl.zhu&Zenos.qiao
Test date:	2024.11.13-2024.11.24		
EUT operation mode:	Below 1GHz: Transmitting (Maximum output power mode, 802.11a 5745MHz) Above 1GHz: Transmitting		
Note:	For the radiated spurious emission below 30MHz, only the worst case (parallel) was recorded. For the radiated spurious emission below 30MHz, When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.		

Below 1GHz:

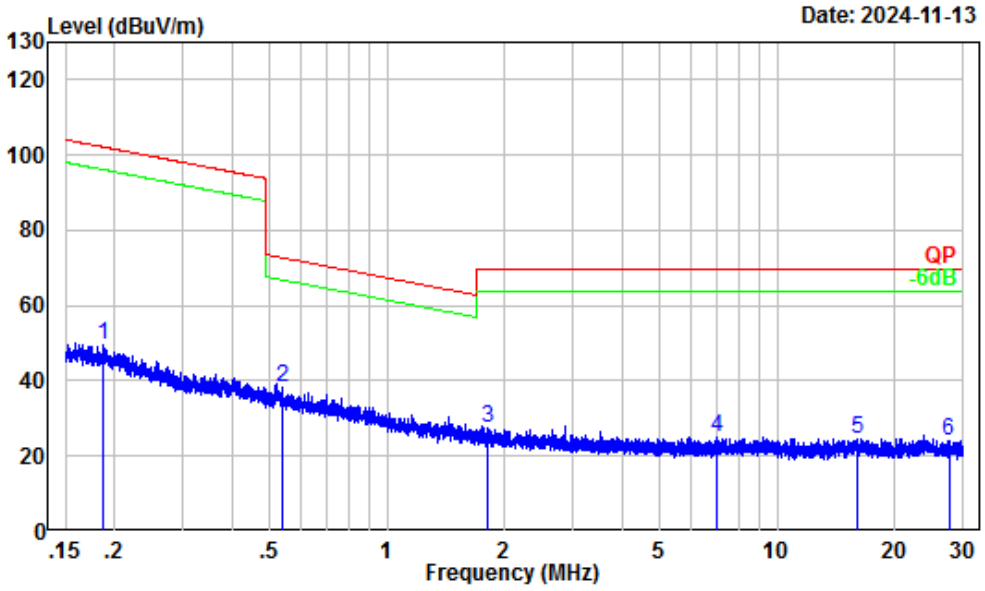
9kHz-150kHz



Site : Chamber A
Condition : 3m
Project Number: 2401Y99992E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	32.44	21.09	53.53	128.24	-74.71	Peak
2	0.02	30.54	23.00	53.54	121.91	-68.37	Peak
3	0.04	27.48	21.68	49.16	115.62	-66.46	Peak
4	0.07	24.82	19.17	43.99	111.24	-67.25	Peak
5	0.10	22.01	24.34	46.35	107.61	-61.26	Peak
6	0.12	20.66	20.50	41.16	105.82	-64.66	Peak

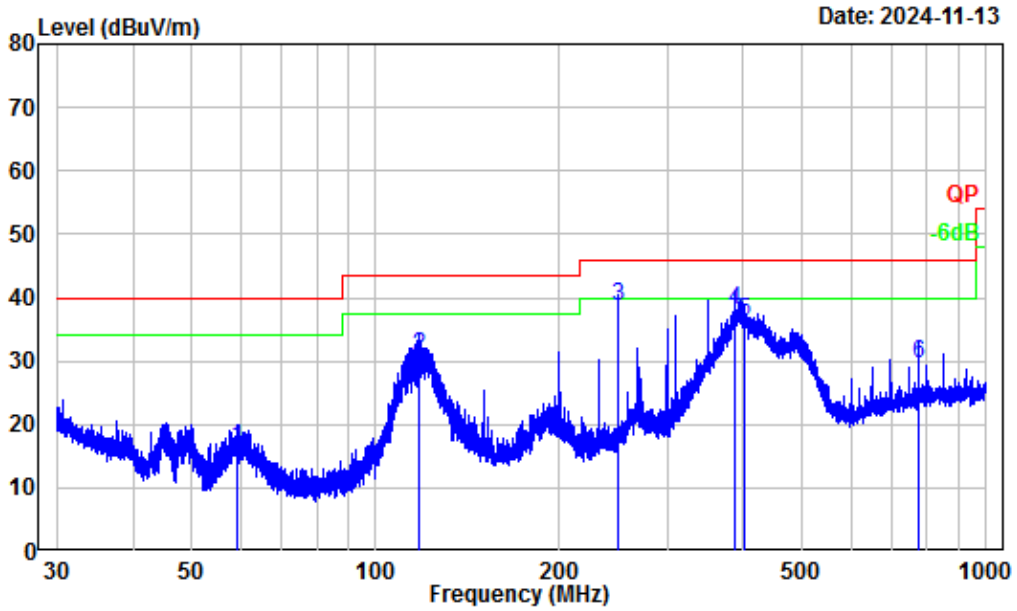
150kHz-30MHz



Site : Chamber A
Condition : 3m
Project Number: 2401Y99992E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.19	16.84	32.81	49.65	102.15	-52.50	Peak
2	0.54	5.92	32.38	38.30	72.95	-34.65	Peak
3	1.82	-1.09	28.70	27.61	69.54	-41.93	Peak
4	7.01	-2.95	27.80	24.85	69.54	-44.69	Peak
5	16.10	-2.33	26.90	24.57	69.54	-44.97	Peak
6	27.56	-2.91	26.87	23.96	69.54	-45.58	Peak

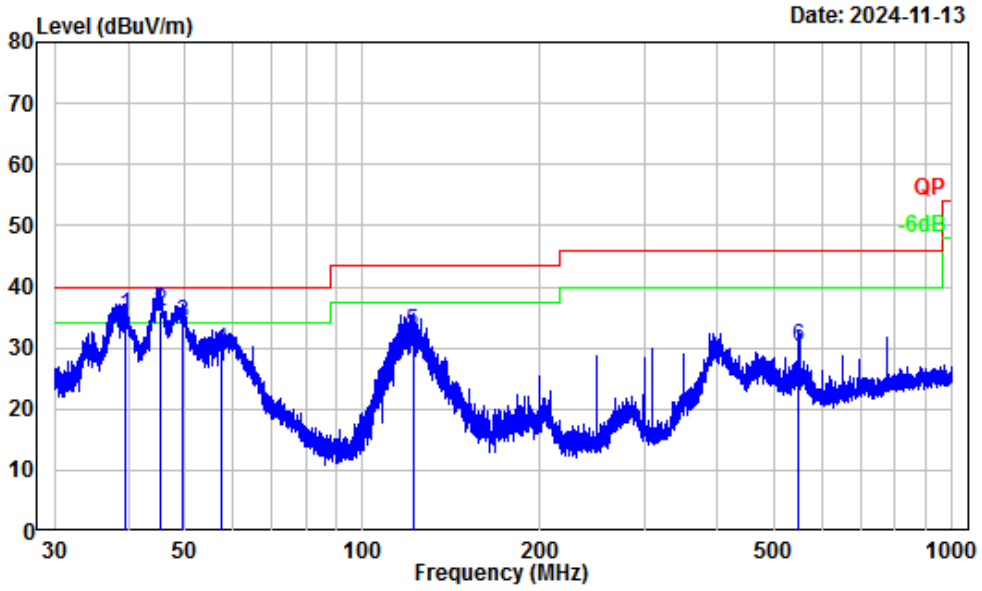
30MHz-1GHz_Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401Y99992E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Over limit	\Q limit	\Q	Remark
	MHz	dB/m	dBuV	dBuV/m				
1	59.28	-18.19	34.54	16.35	40.00	-23.65	QP	
2	117.67	-11.71	42.65	30.94	43.50	-12.56	QP	
3	249.97	-13.09	51.67	38.58	46.00	-7.42	QP	
4	387.65	-8.94	47.08	38.14	46.00	-7.86	QP	
5	402.01	-8.34	44.54	36.20	46.00	-9.80	QP	
6	775.18	-2.47	32.19	29.72	46.00	-16.28	QP	

30MHz-1GHz_Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401Y99992E-RF
Test Mode : Transmitting
Tester : Carl Zhu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39.52	-12.04	47.32	35.28	40.00	-4.72	QP
2	45.38	-16.11	51.93	35.82	40.00	-4.18	QP
3	49.42	-17.80	52.00	34.20	40.00	-5.80	QP
4	57.70	-18.25	47.74	29.49	40.00	-10.51	QP
5	121.60	-11.29	43.79	32.50	43.50	-11.00	QP
6	549.98	-5.43	35.60	30.17	46.00	-15.83	QP

Above 1GHz:

5150-5250 MHz

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11a							
Low Channel							
10360	46.47	PK	H	13.07	59.54	68.2	-8.66
10360	47.24	PK	V	13.07	60.31	68.2	-7.89
Middle Channel							
10400	46.89	PK	H	13.12	60.01	68.2	-8.19
10400	47.65	PK	V	13.12	60.77	68.2	-7.43
High Channel							
10480	47.3	PK	H	13.07	60.37	68.2	-7.83
10480	48.01	PK	V	13.07	61.08	68.2	-7.12
802.11ac20							
Low Channel							
10360	46.38	PK	H	13.07	59.45	68.2	-8.75
10360	47.19	PK	V	13.07	60.26	68.2	-7.94
Middle Channel							
10400	46.87	PK	H	13.12	59.99	68.2	-8.21
10400	47.64	PK	V	13.12	60.76	68.2	-7.44
High Channel							
10480	47.42	PK	H	13.07	60.49	68.2	-7.71
10480	48.05	PK	V	13.07	61.12	68.2	-7.08
802.11ac40							
Low Channel							
10380	46.01	PK	H	13.09	59.1	68.2	-9.1
10380	46.47	PK	V	13.09	59.56	68.2	-8.64
High Channel							
10460	46.46	PK	H	13.09	59.55	68.2	-8.65
10460	46.9	PK	V	13.09	59.99	68.2	-8.21
802.11ac80							
Middle Channel							
10420	45.68	PK	H	13.12	58.8	68.2	-9.4
10420	46.23	PK	V	13.12	59.35	68.2	-8.85

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ax20							
Low Channel							
10360	46.28	PK	H	13.07	59.35	68.2	-8.85
10360	47.11	PK	V	13.07	60.18	68.2	-8.02
Middle Channel							
10400	46.72	PK	H	13.12	59.84	68.2	-8.36
10400	47.54	PK	V	13.12	60.66	68.2	-7.54
High Channel							
10480	47.15	PK	H	13.07	60.22	68.2	-7.98
10480	47.96	PK	V	13.07	61.03	68.2	-7.17
802.11ax40							
Low Channel							
10380	45.89	PK	H	13.09	58.98	68.2	-9.22
10380	46.33	PK	V	13.09	59.42	68.2	-8.78
High Channel							
10460	46.39	PK	H	13.09	59.48	68.2	-8.72
10460	46.86	PK	V	13.09	59.95	68.2	-8.25
802.11ax80							
Middle Channel							
10420	45.56	PK	H	13.12	58.68	68.2	-9.52
10420	46.09	PK	V	13.12	59.21	68.2	-8.99

5725-5850MHz

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11a							
Low Channel							
11490	46.39	PK	H	14.31	60.7	74	-13.3
11490	33.87	AV	H	14.31	48.18	54	-5.82
11490	47.52	PK	V	14.31	61.83	74	-12.17
11490	34.44	AV	V	14.31	48.75	54	-5.25
Middle Channel							
11570	47.02	PK	H	14.05	61.07	74	-12.93
11570	34.26	AV	H	14.05	48.31	54	-5.69
11570	48.11	PK	V	14.05	62.16	74	-11.84
11570	34.85	AV	V	14.05	48.9	54	-5.1
High Channel							
11650	47.63	PK	H	13.83	61.46	74	-12.54
11650	34.56	AV	H	13.83	48.39	54	-5.61
11650	48.78	PK	V	13.83	62.61	74	-11.39
11650	35.3	AV	V	13.83	49.13	54	-4.87
802.11ac20							
Low Channel							
11490	46.27	PK	H	14.31	60.58	74	-13.42
11490	33.38	AV	H	14.31	47.69	54	-6.31
11490	47.35	PK	V	14.31	61.66	74	-12.34
11490	33.92	AV	V	14.31	48.23	54	-5.77
Middle Channel							
11570	46.88	PK	H	14.05	60.93	74	-13.07
11570	33.71	AV	H	14.05	47.76	54	-6.24
11570	47.96	PK	V	14.05	62.01	74	-11.99
11570	34.34	AV	V	14.05	48.39	54	-5.61
High Channel							
11650	47.49	PK	H	13.83	61.32	74	-12.68
11650	34.02	AV	H	13.83	47.85	54	-6.15
11650	48.54	PK	V	13.83	62.37	74	-11.63
11650	34.61	AV	V	13.83	48.44	54	-5.56

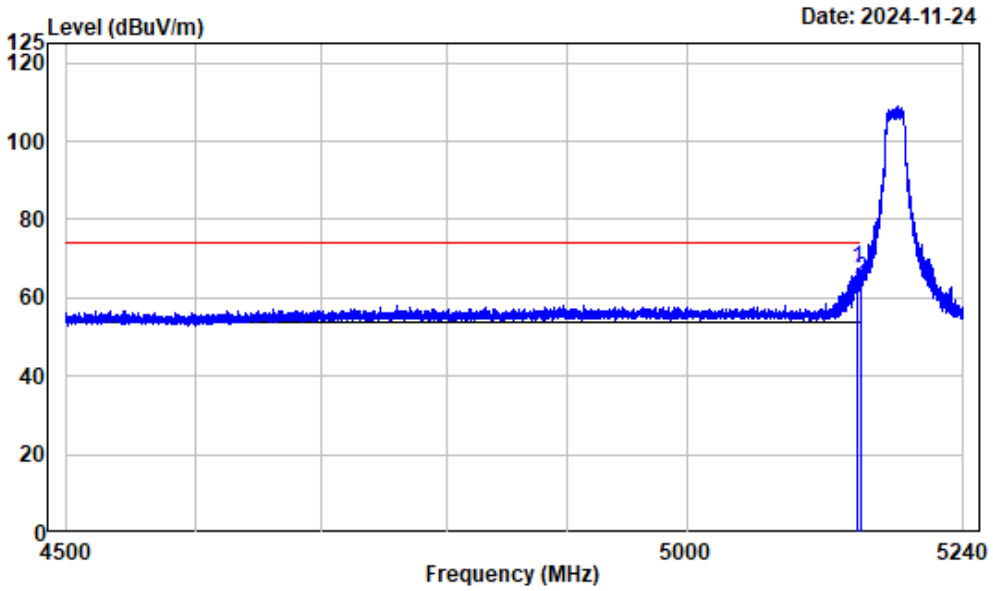
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ac40							
Low Channel							
11510	45.62	PK	H	14.29	59.91	74	-14.09
11510	32.58	AV	H	14.29	46.87	54	-7.13
11510	46.49	PK	V	14.29	60.78	74	-13.22
11510	32.9	AV	V	14.29	47.19	54	-6.81
High Channel							
11590	46.87	PK	H	13.97	60.84	74	-13.16
11590	33.41	AV	H	13.97	47.38	54	-6.62
11590	47.68	PK	V	13.97	61.65	74	-12.35
11590	33.74	AV	V	13.97	47.71	54	-6.29
802.11ac80							
Middle Channel							
11550	45.94	PK	H	14.13	60.07	74	-13.93
11550	32.55	AV	H	14.13	46.68	54	-7.32
11550	46.7	PK	V	14.13	60.83	74	-13.17
11550	32.89	AV	V	14.13	47.02	54	-6.98
802.11ax20							
Low Channel							
11490	45.99	PK	H	14.31	60.3	74	-13.7
11490	33.24	AV	H	14.31	47.55	54	-6.45
11490	47.12	PK	V	14.31	61.43	74	-12.57
11490	33.83	AV	V	14.31	48.14	54	-5.86
Middle Channel							
11570	46.58	PK	H	14.05	60.63	74	-13.37
11570	33.65	AV	H	14.05	47.7	54	-6.3
11570	47.76	PK	V	14.05	61.81	74	-12.19
11570	34.24	AV	V	14.05	48.29	54	-5.71
High Channel							
11650	47.17	PK	H	13.83	61	74	-13
11650	34.08	AV	H	13.83	47.91	54	-6.09
11650	48.31	PK	V	13.83	62.14	74	-11.86
11650	34.65	AV	V	13.83	48.48	54	-5.52

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
802.11ax40							
Low Channel							
11510	45.52	PK	H	14.29	59.81	74	-14.19
11510	32.41	AV	H	14.29	46.7	54	-7.3
11510	46.37	PK	V	14.29	60.66	74	-13.34
11510	32.78	AV	V	14.29	47.07	54	-6.93
High Channel							
11590	46.67	PK	H	13.97	60.64	74	-13.36
11590	33.29	AV	H	13.97	47.26	54	-6.74
11590	47.48	PK	V	13.97	61.45	74	-12.55
11590	33.66	AV	V	13.97	47.63	54	-6.37
802.11ax80							
Middle Channel							
11550	45.81	PK	H	14.13	59.94	74	-14.06
11550	32.43	AV	H	14.13	46.56	54	-7.44
11550	46.64	PK	V	14.13	60.77	74	-13.23
11550	32.76	AV	V	14.13	46.89	54	-7.11

Note:
Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Factor + Reading
Margin = Corrected. Amplitude - Limit
The other spurious emission which is in the noise floor level was not recorded.

Test plots:

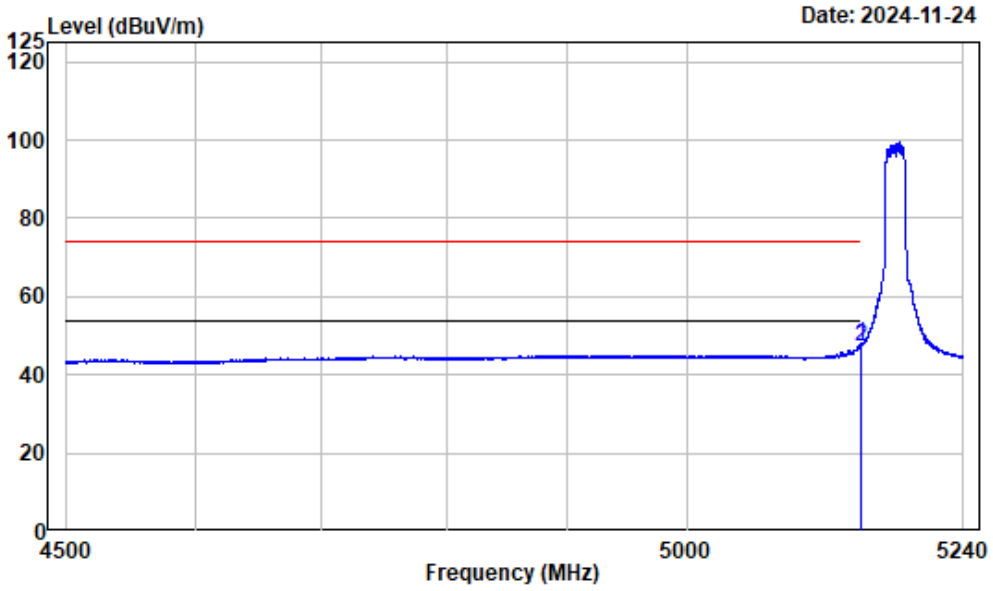
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.118	2.70	64.96	67.66	74.00	-6.34	Peak
2	5150.000	2.71	61.74	64.45	74.00	-9.55	Peak

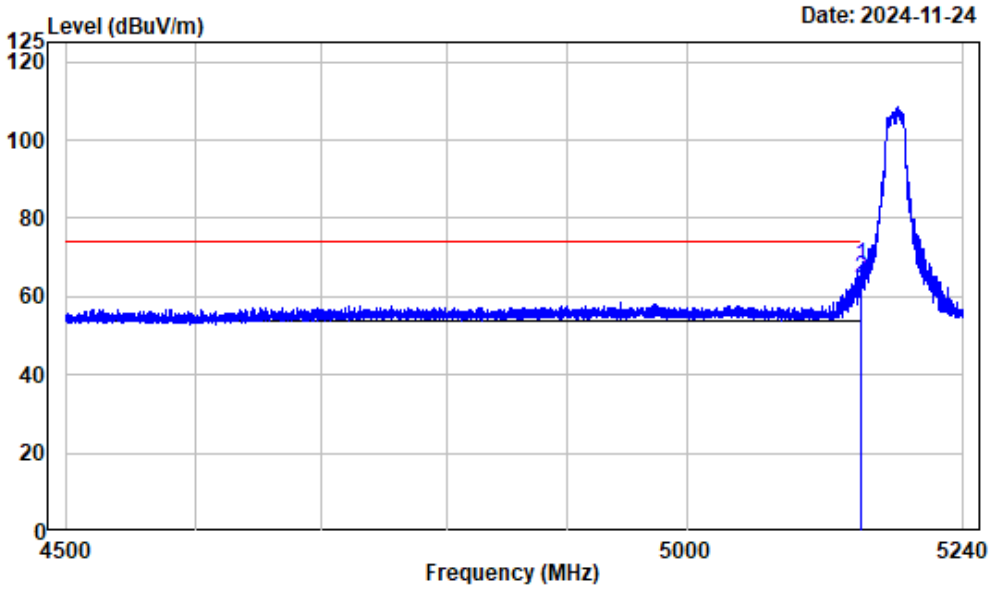
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.339	2.71	44.79	47.50	54.00	-6.50	Average
2	5150.000	2.71	44.44	47.15	54.00	-6.85	Average

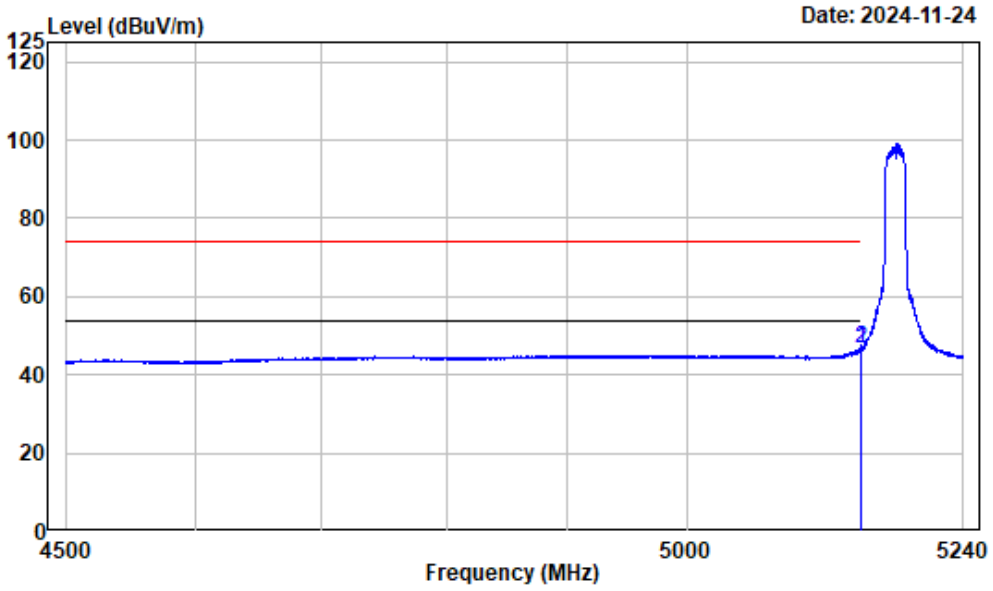
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.431	2.71	64.99	67.70	74.00	-6.30	Peak
2	5150.000	2.71	61.92	64.63	74.00	-9.37	Peak

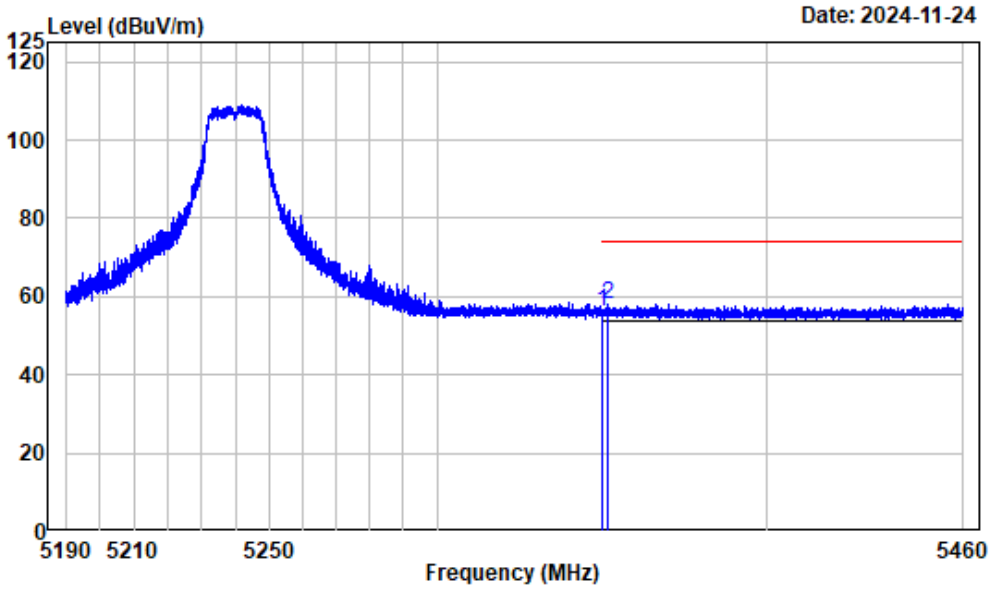
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.524	2.71	44.20	46.91	54.00	-7.09	Average
2	5150.000	2.71	43.86	46.57	54.00	-7.43	Average

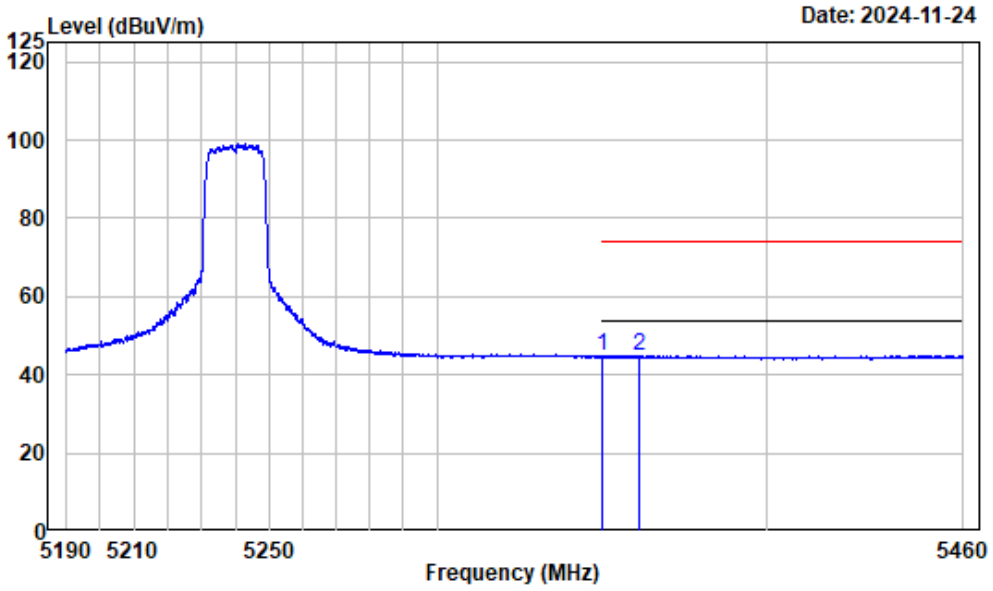
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.12	56.02	74.00	-17.98	Peak
2	5351.548	2.90	55.25	58.15	74.00	-15.85	Peak

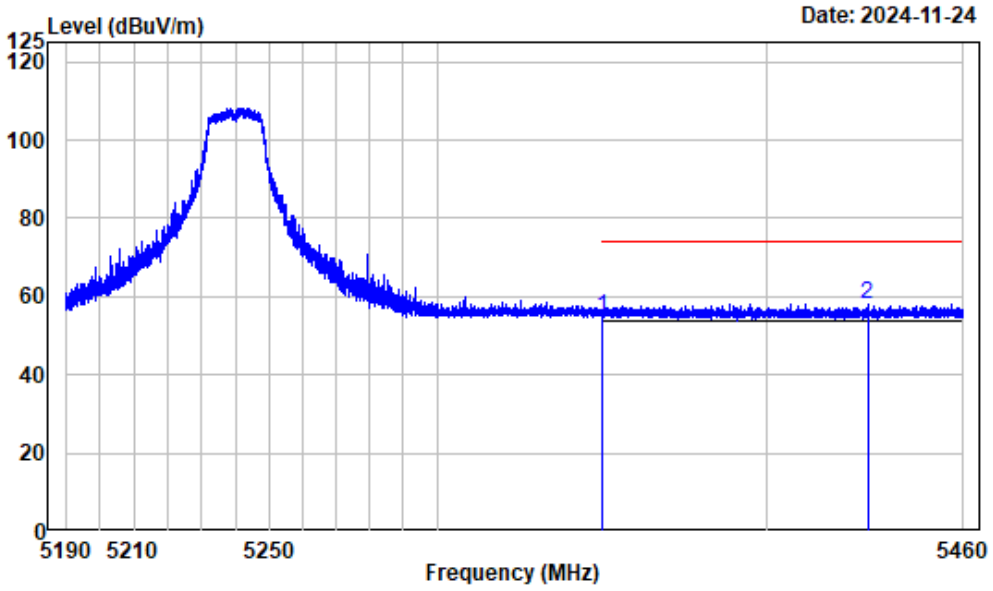
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.76	44.66	54.00	-9.34	Average
2	5360.965	2.92	42.00	44.92	54.00	-9.08	Average

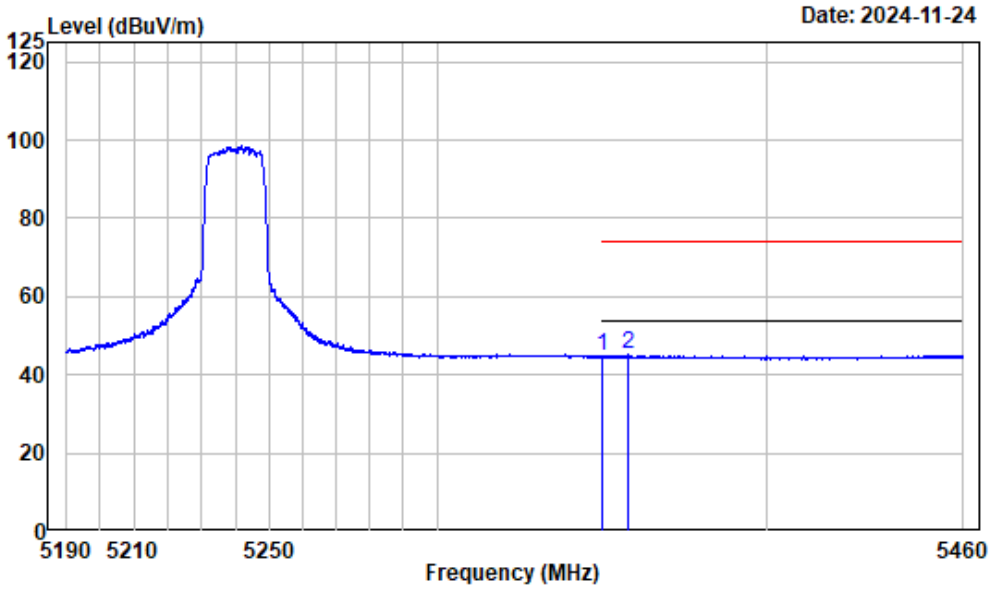
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	51.78	54.68	74.00	-19.32	Peak
2	5430.566	3.04	55.01	58.05	74.00	-15.95	Peak

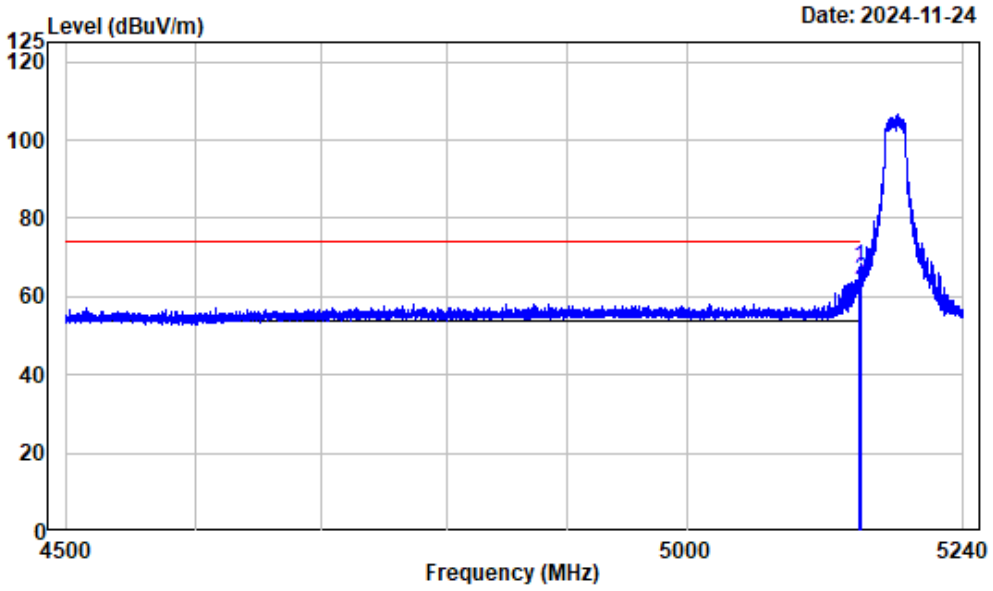
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.83	44.73	54.00	-9.27	Average
2	5357.455	2.92	42.17	45.09	54.00	-8.91	Average

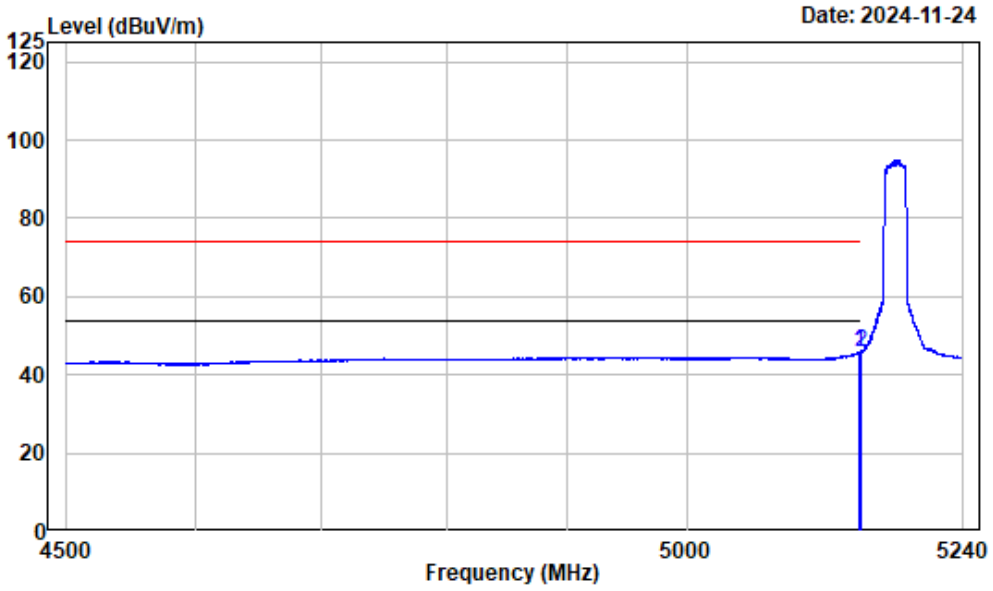
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.061	2.71	64.75	67.46	74.00	-6.54	Peak
2	5150.000	2.71	61.29	64.00	74.00	-10.00	Peak

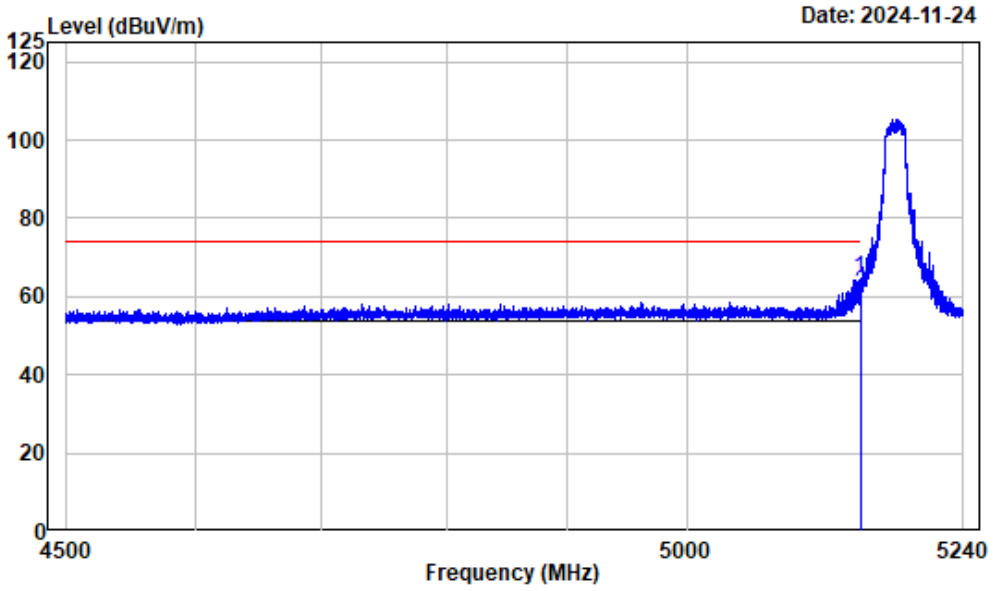
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.969	2.71	43.25	45.96	54.00	-8.04	Average
2	5150.000	2.71	43.19	45.90	54.00	-8.10	Average

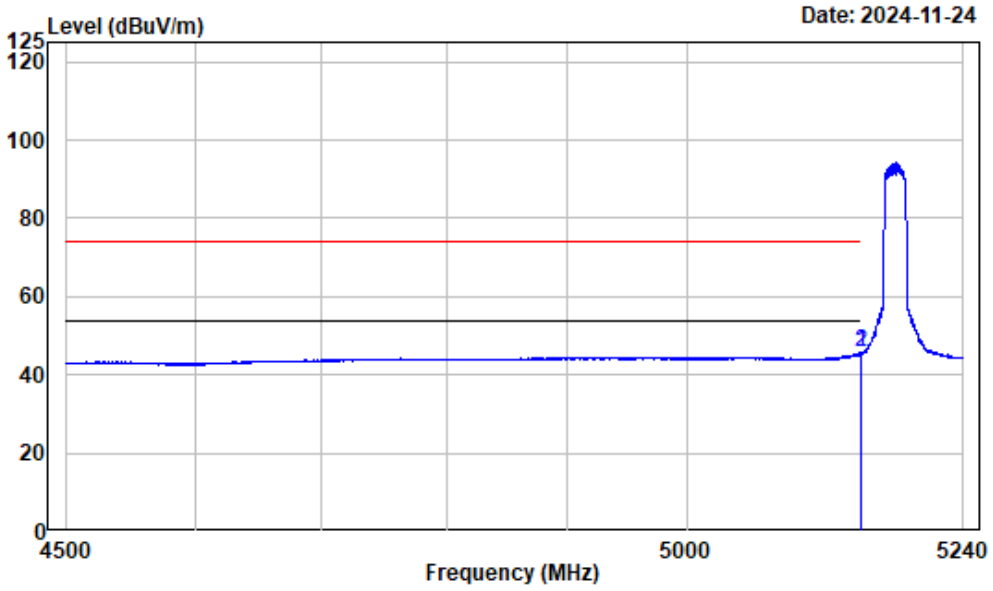
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.154	2.71	61.98	64.69	74.00	-9.31	Peak
2	5150.000	2.71	58.37	61.08	74.00	-12.92	Peak

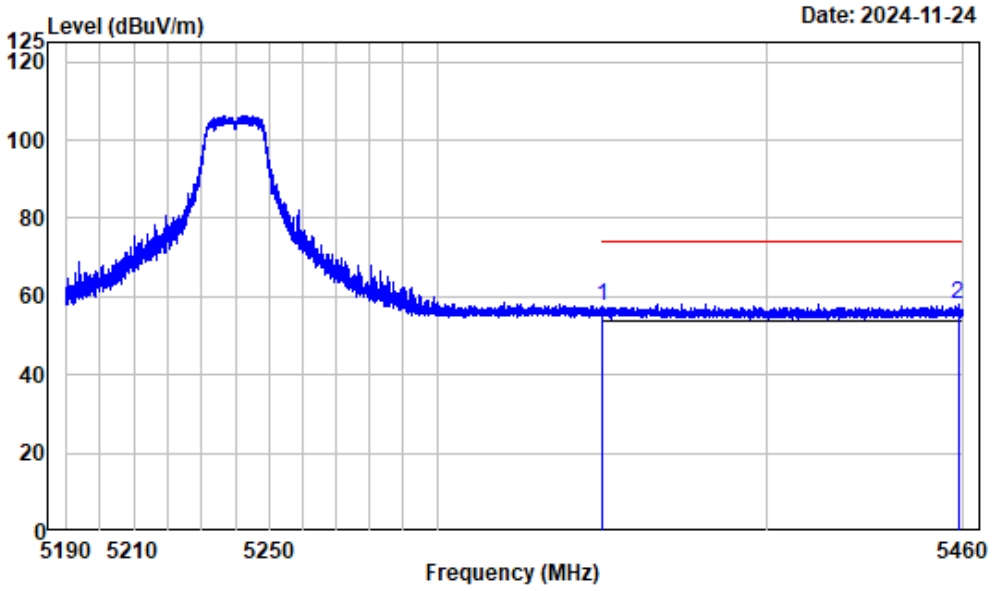
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.986	2.71	43.11	45.82	54.00	-8.18	Average
2	5150.000	2.71	43.00	45.71	54.00	-8.29	Average

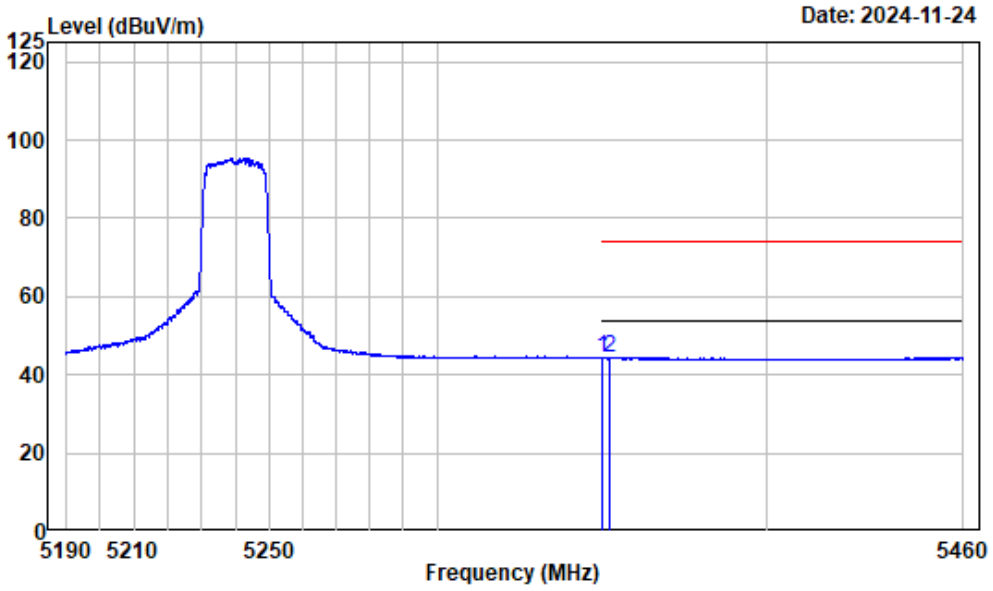
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	54.63	57.53	74.00	-16.47	Peak
2	5458.414	3.06	55.13	58.19	74.00	-15.81	Peak

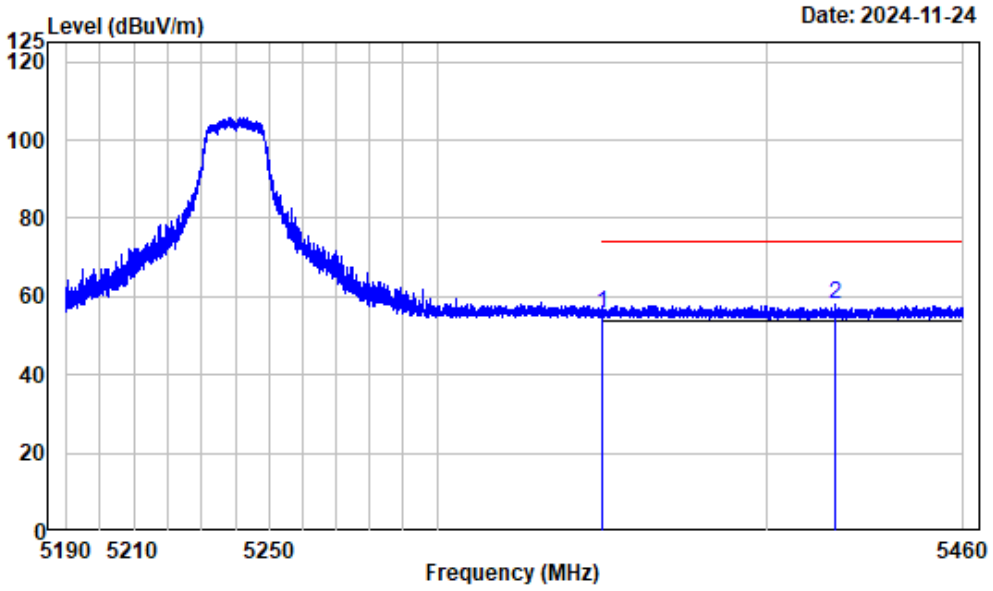
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.29	44.19	54.00	-9.81	Average
2	5352.223	2.91	41.42	44.33	54.00	-9.67	Average

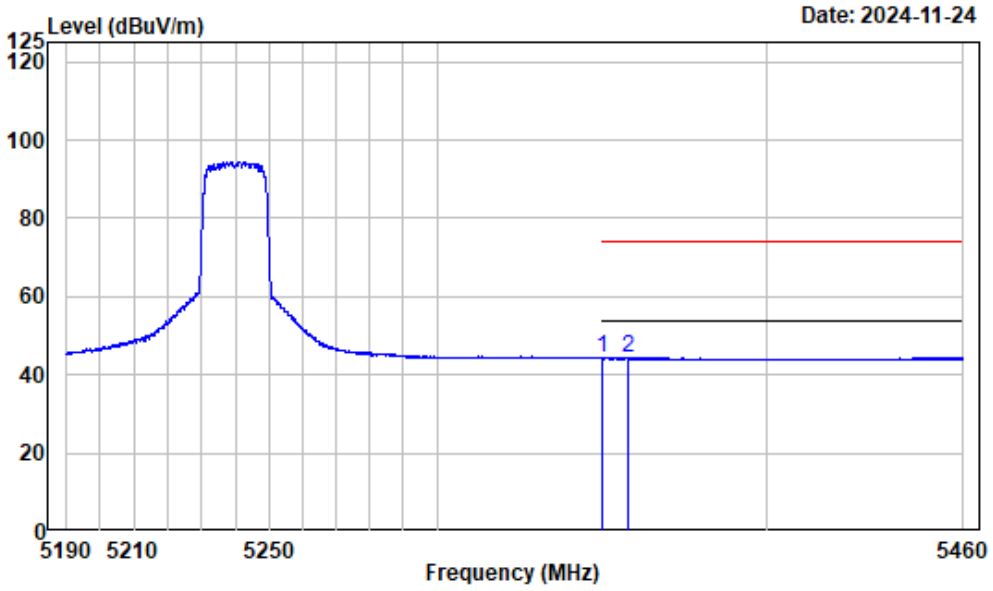
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.59	55.49	74.00	-18.51	Peak
2	5420.440	3.02	54.82	57.84	74.00	-16.16	Peak

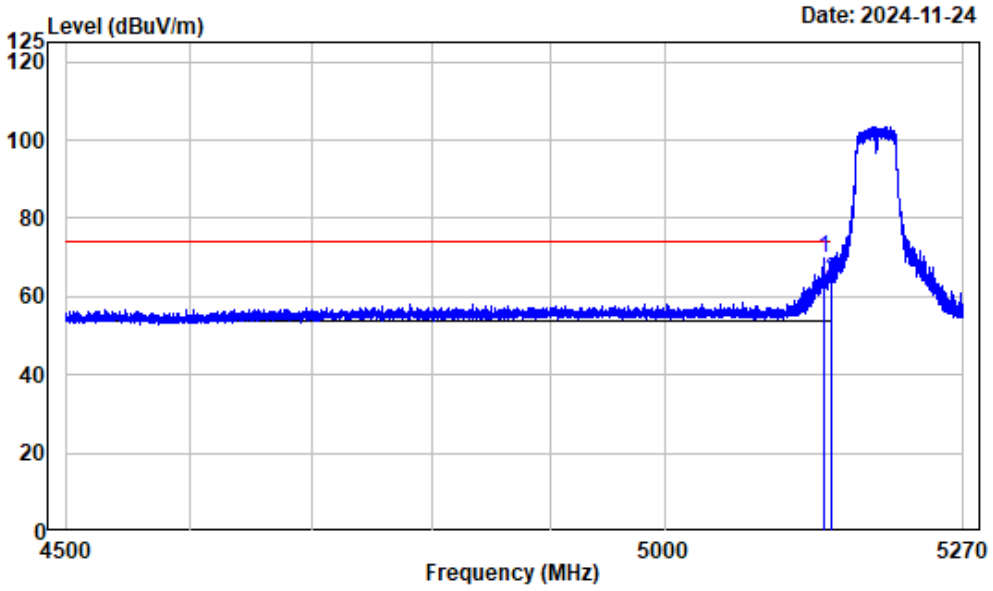
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.29	44.19	54.00	-9.81	Average
2	5357.354	2.92	41.47	44.39	54.00	-9.61	Average

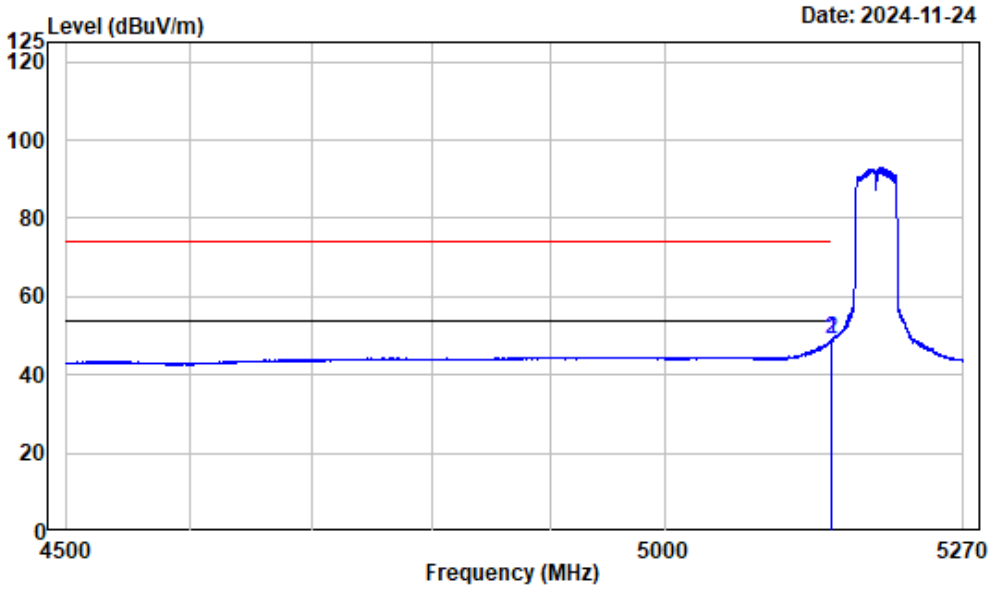
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5142.453	2.70	67.34	70.04	74.00	-3.96	Peak
2	5150.000	2.71	61.61	64.32	74.00	-9.68	Peak

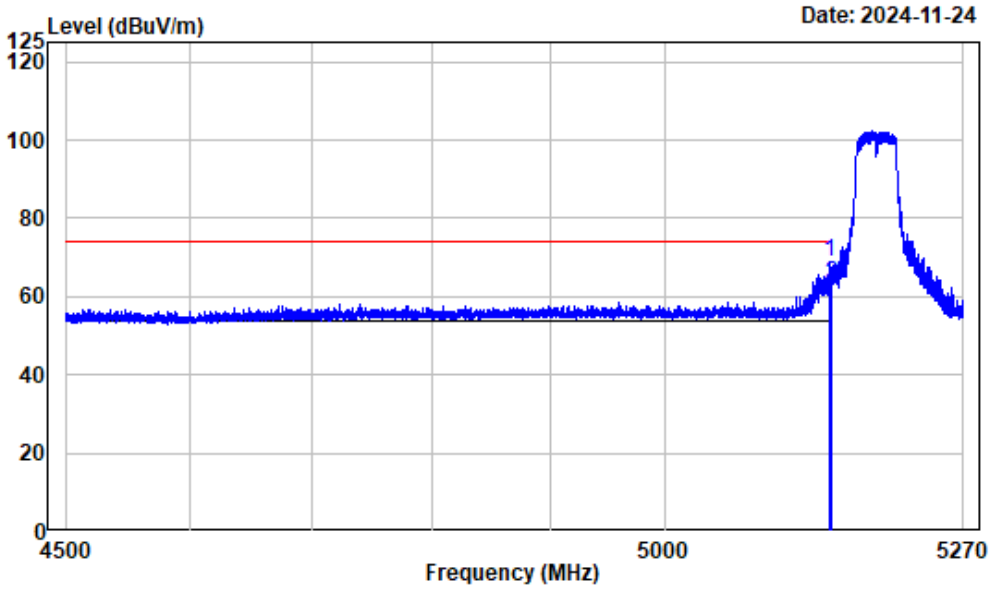
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.672	2.71	46.42	49.13	54.00	-4.87	Average
2	5150.000	2.71	46.39	49.10	54.00	-4.90	Average

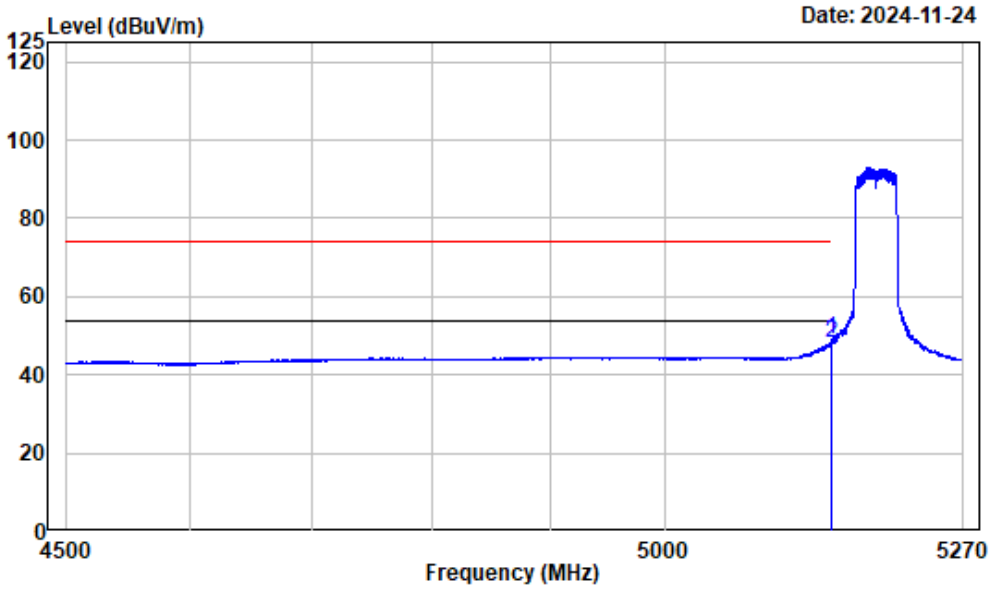
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.266	2.70	66.26	68.96	74.00	-5.04	Peak
2	5150.000	2.71	60.67	63.38	74.00	-10.62	Peak

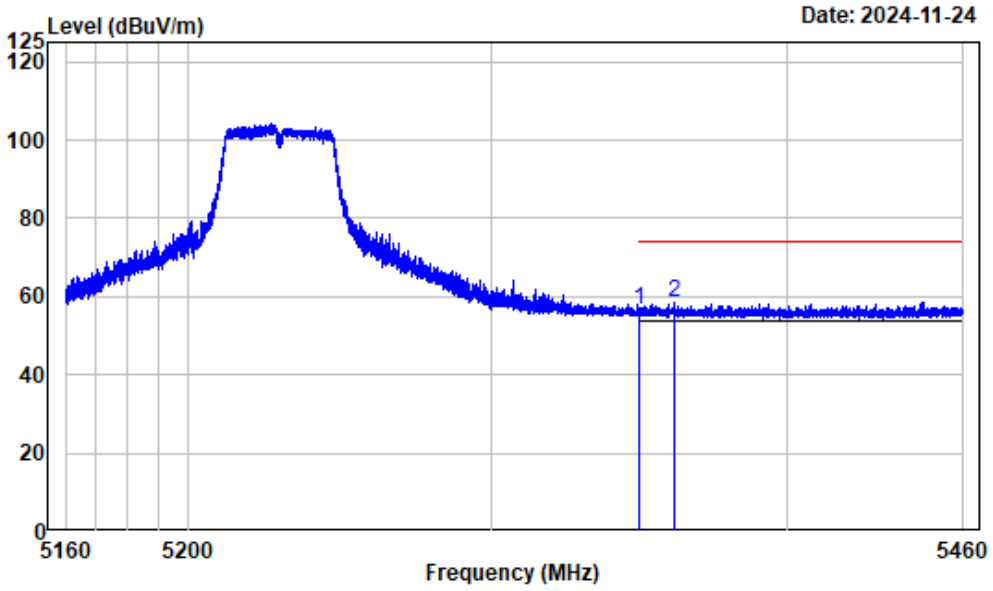
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.672	2.71	46.21	48.92	54.00	-5.08	Average
2	5150.000	2.71	45.23	47.94	54.00	-6.06	Average

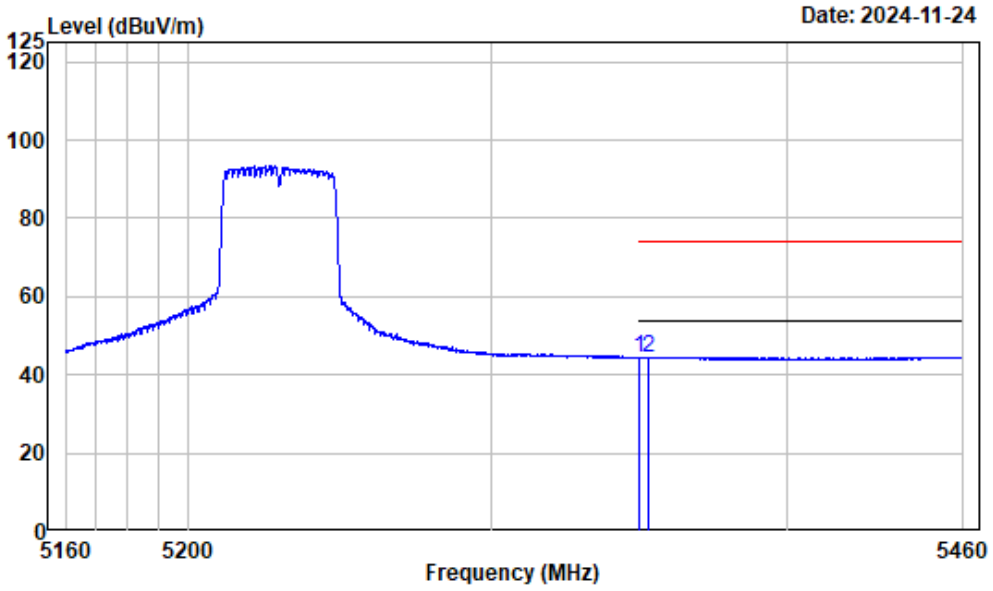
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.51	56.41	74.00	-17.59	Peak
2	5361.738	2.92	55.81	58.73	74.00	-15.27	Peak

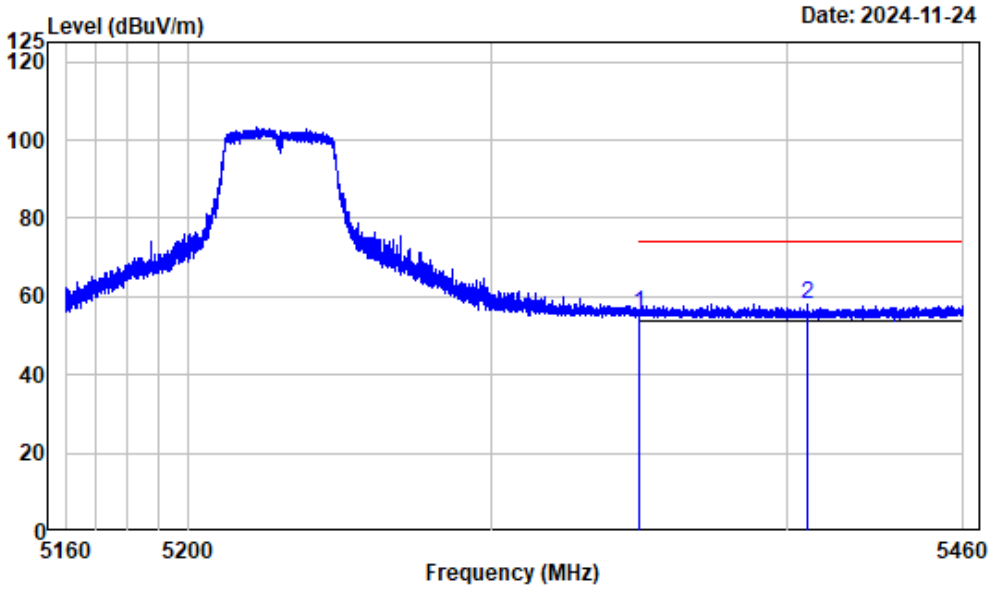
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.47	44.37	54.00	-9.63	Average
2	5352.774	2.92	41.65	44.57	54.00	-9.43	Average

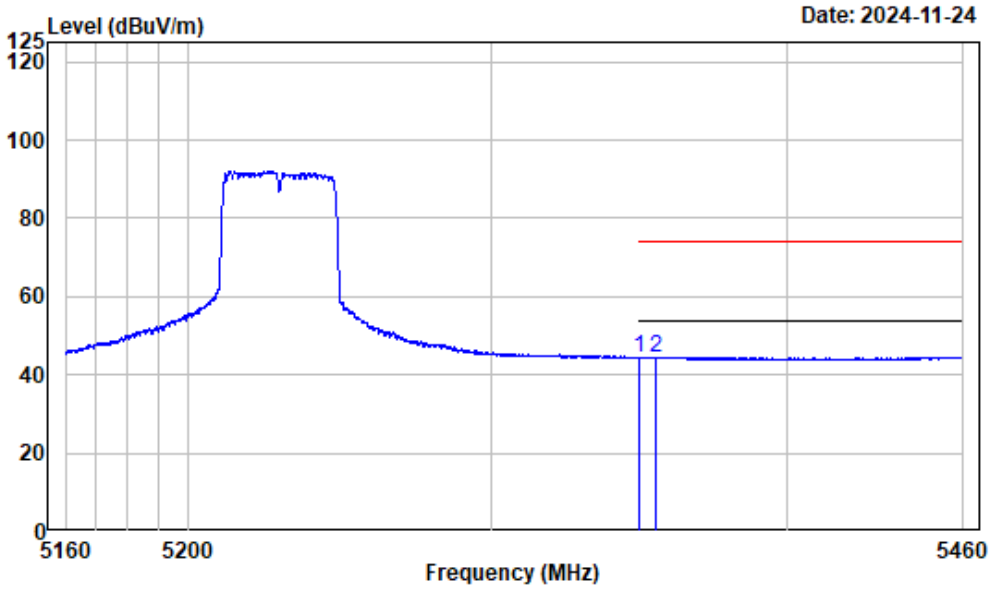
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.70	55.60	74.00	-18.40	Peak
2	5406.706	2.99	54.98	57.97	74.00	-16.03	Peak

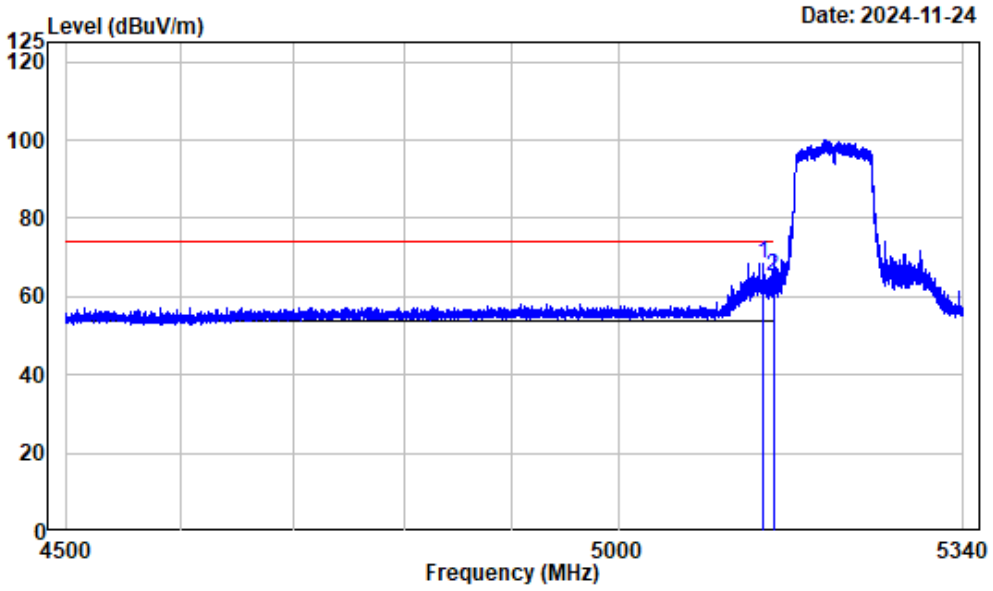
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.50	44.40	54.00	-9.60	Average
2	5355.174	2.92	41.53	44.45	54.00	-9.55	Average

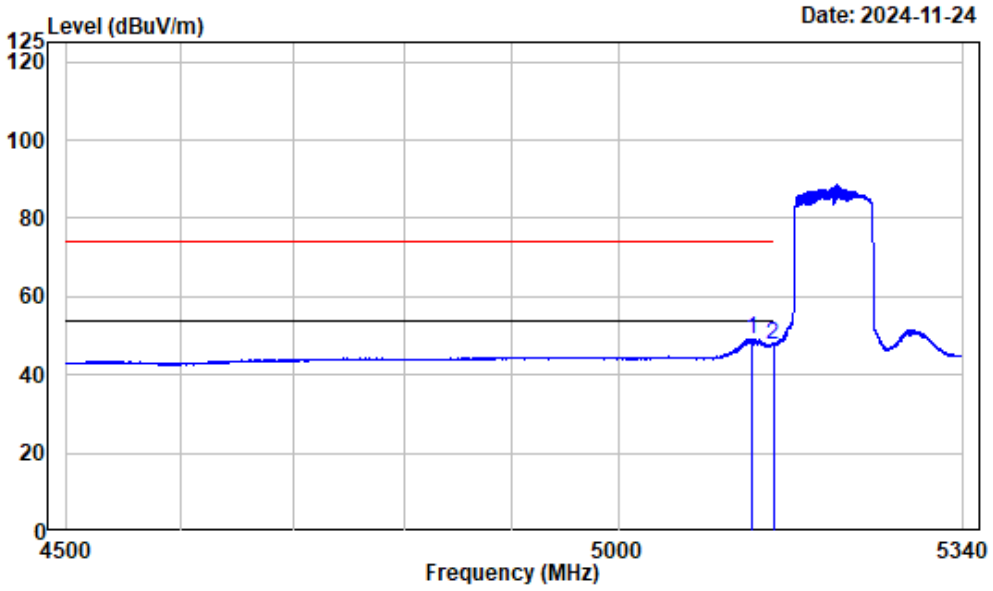
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5140.790	2.71	65.80	68.51	74.00	-5.49	Peak
2	5150.000	2.71	62.28	64.99	74.00	-9.01	Peak

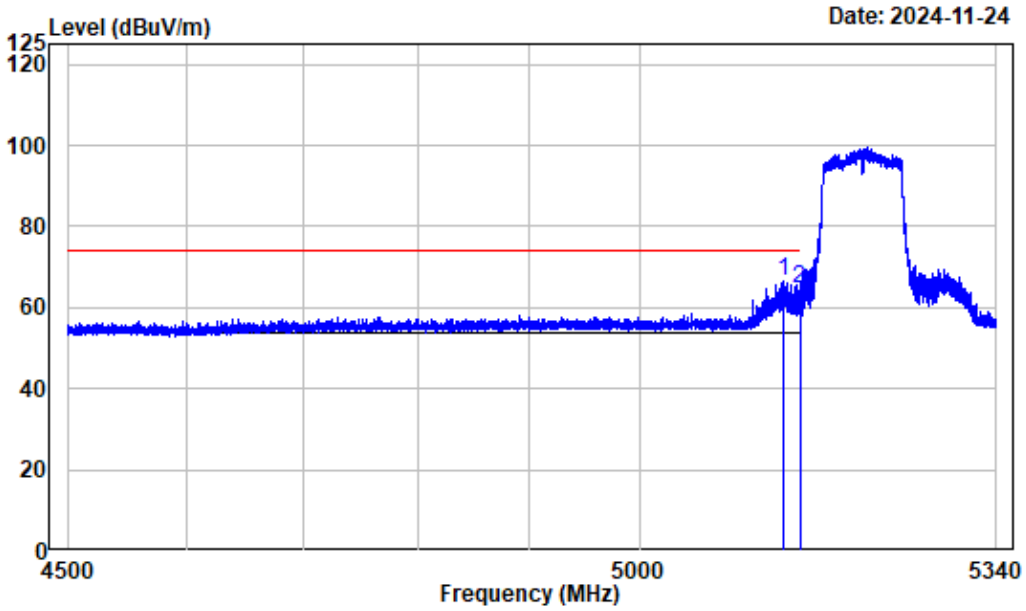
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5129.344	2.71	46.45	49.16	54.00	-4.84	Average
2	5150.000	2.71	45.11	47.82	54.00	-6.18	Average

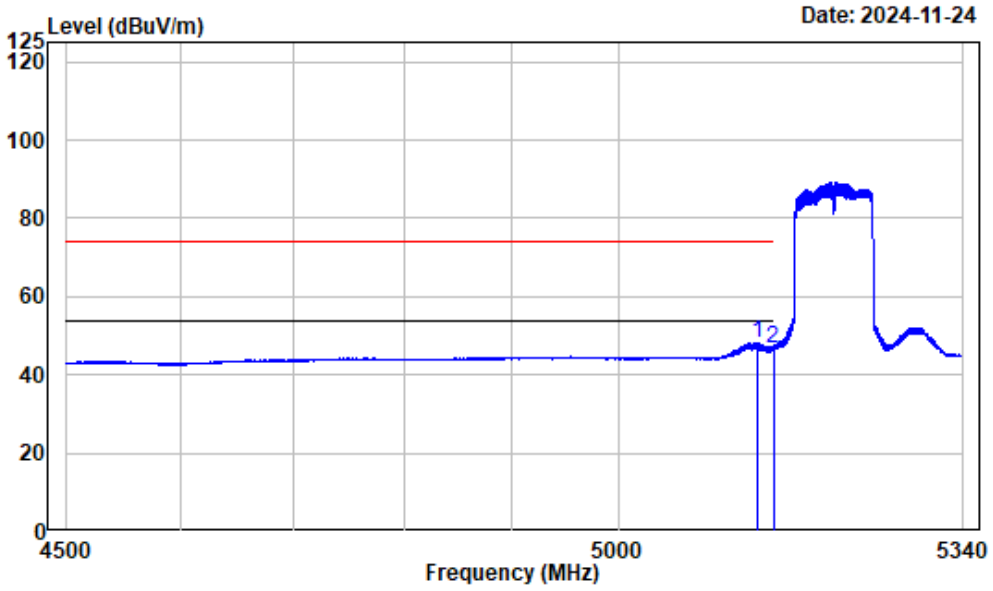
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5133.964	2.71	63.80	66.51	74.00	-7.49	Peak
2	5150.000	2.71	61.71	64.42	74.00	-9.58	Peak

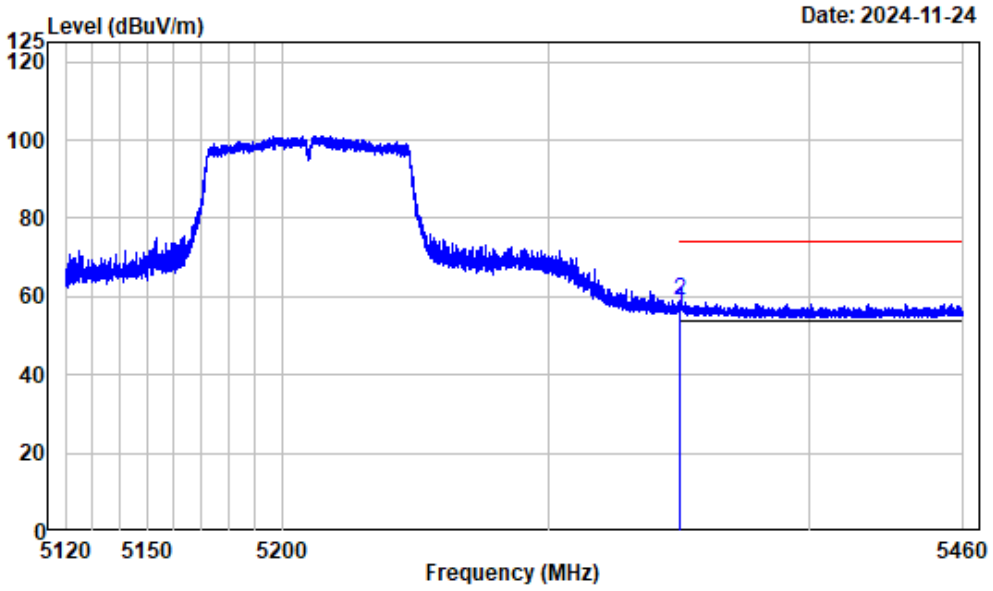
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5134.384	2.71	45.46	48.17	54.00	-5.83	Average
2	5150.000	2.71	43.96	46.67	54.00	-7.33	Average

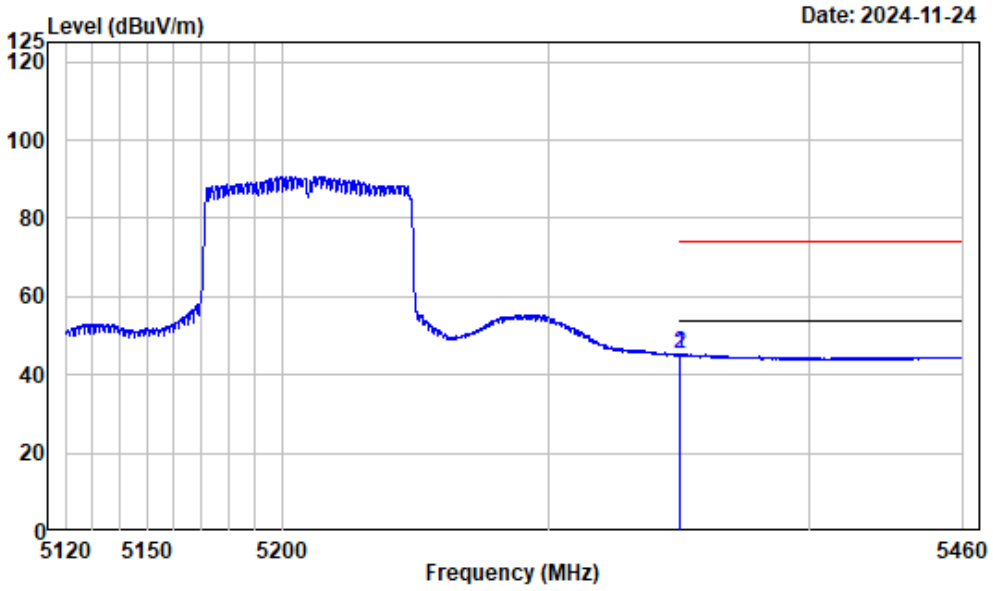
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.78	56.68	74.00	-17.32	Peak
2	5350.209	2.90	56.21	59.11	74.00	-14.89	Peak

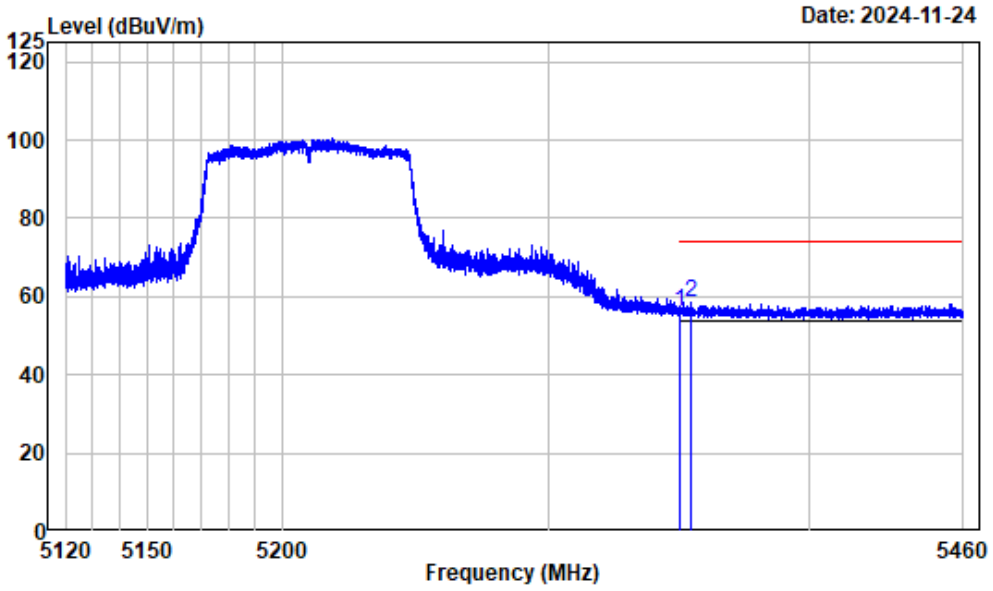
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	42.25	45.15	54.00	-8.85	Average
2	5350.087	2.90	42.32	45.22	54.00	-8.78	Average

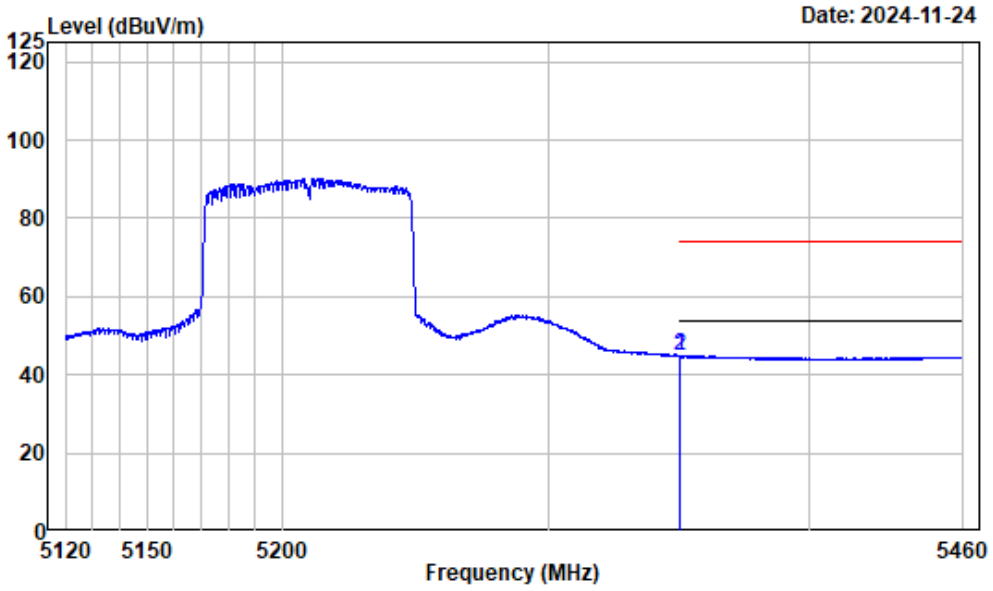
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.10	56.00	74.00	-18.00	Peak
2	5354.842	2.92	55.71	58.63	74.00	-15.37	Peak

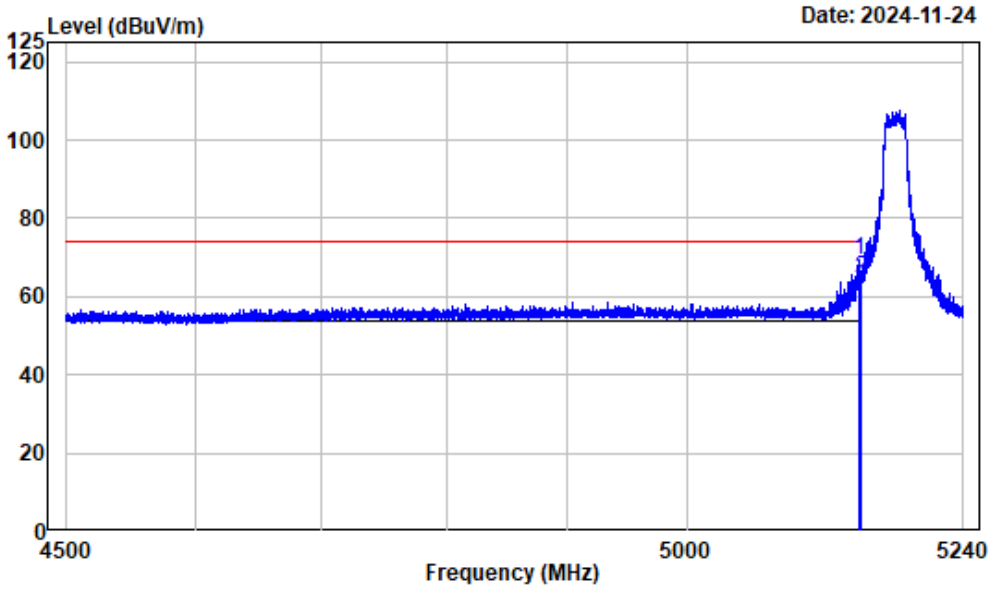
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.95	44.85	54.00	-9.15	Average
2	5350.591	2.90	42.06	44.96	54.00	-9.04	Average

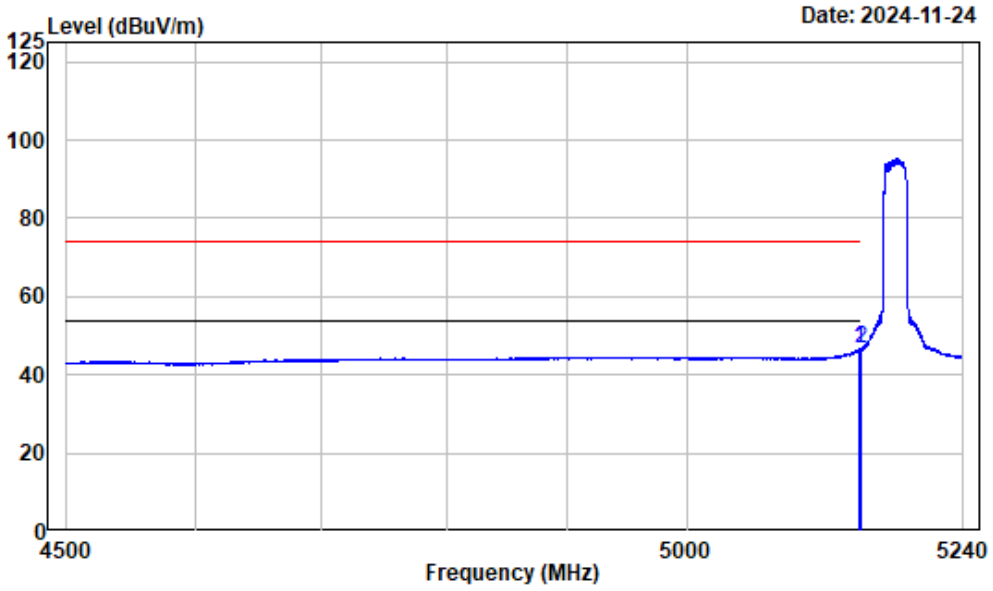
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.506	2.71	66.73	69.44	74.00	-4.56	Peak
2	5150.000	2.71	61.89	64.60	74.00	-9.40	Peak

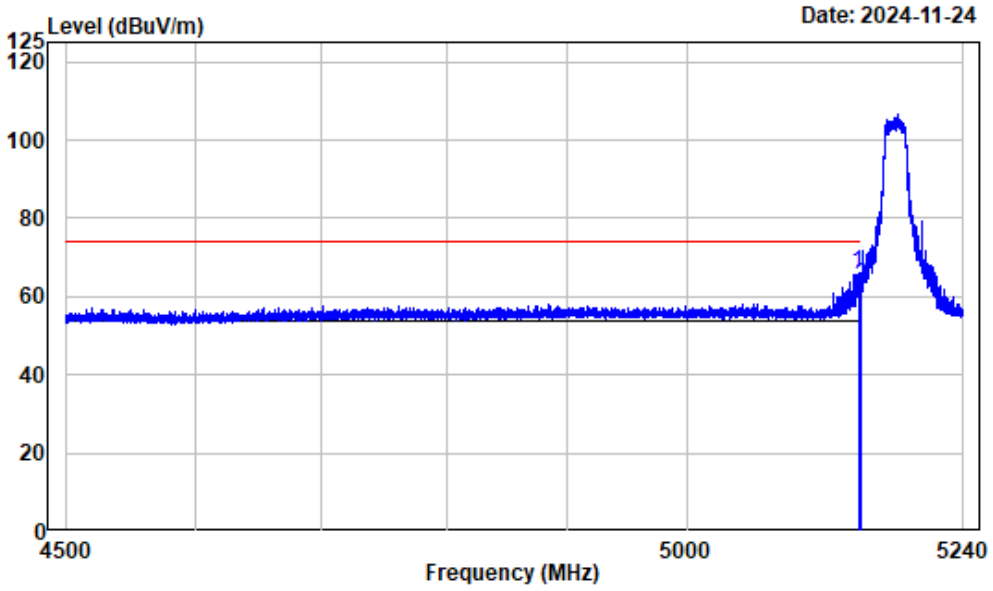
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.061	2.71	43.98	46.69	54.00	-7.31	Average
2	5150.000	2.71	43.85	46.56	54.00	-7.44	Average

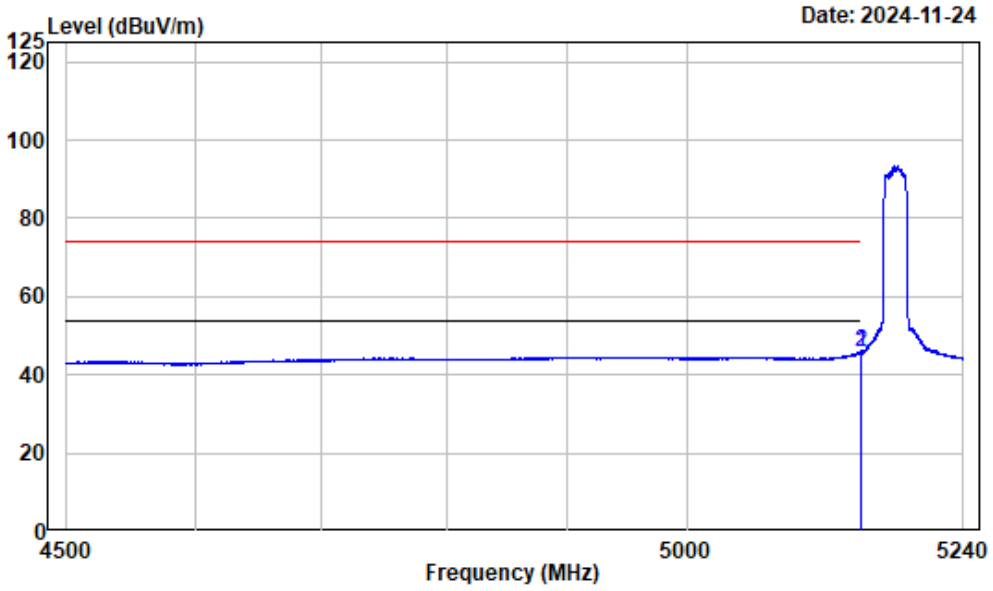
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5147.581	2.70	63.40	66.10	74.00	-7.90	Peak
2	5150.000	2.71	59.81	62.52	74.00	-11.48	Peak

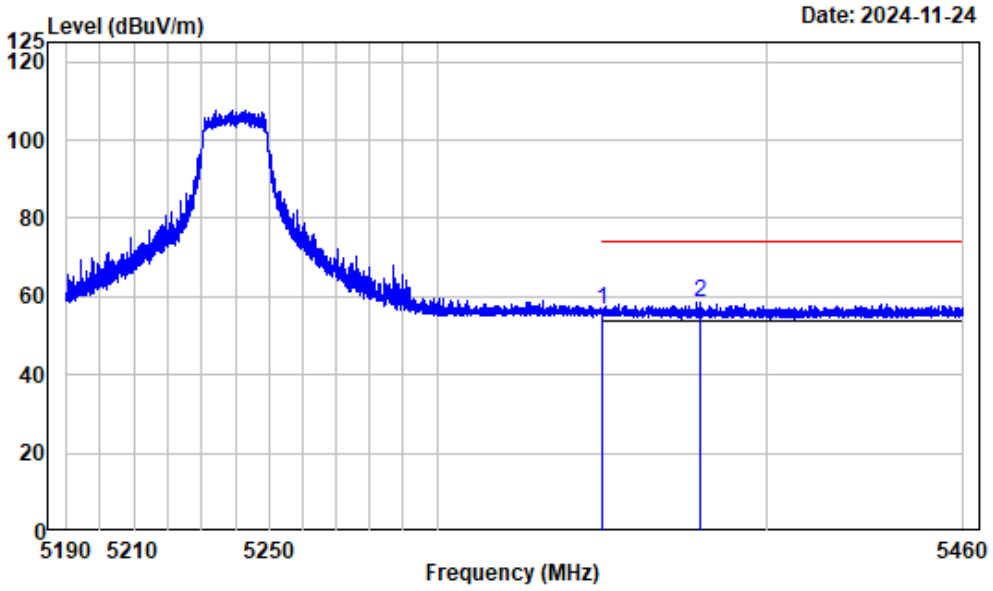
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5180

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.708	2.71	43.20	45.91	54.00	-8.09	Average
2	5150.000	2.71	43.16	45.87	54.00	-8.13	Average

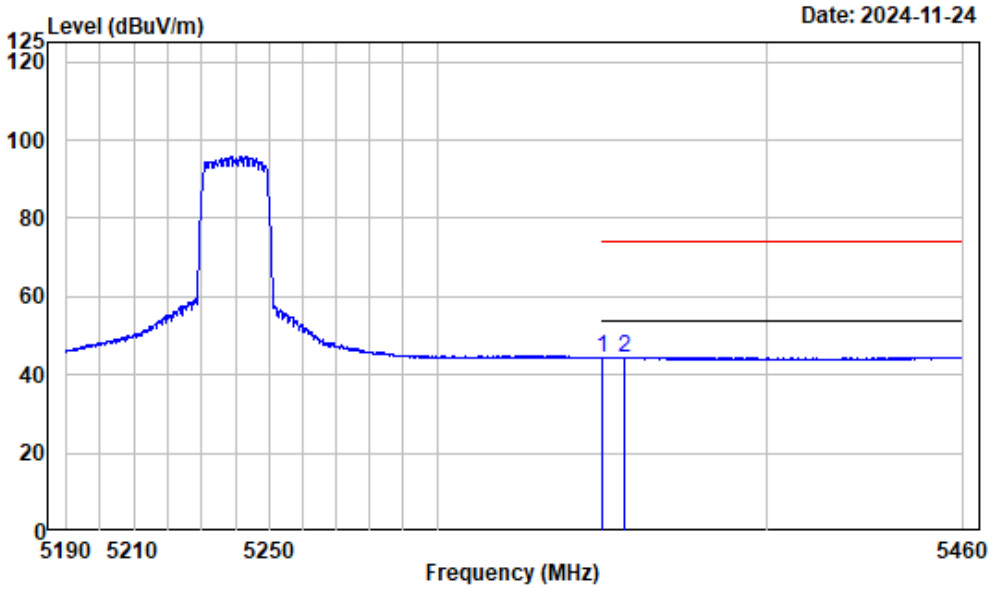
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.77	56.67	74.00	-17.33	Peak
2	5379.293	2.95	55.33	58.28	74.00	-15.72	Peak

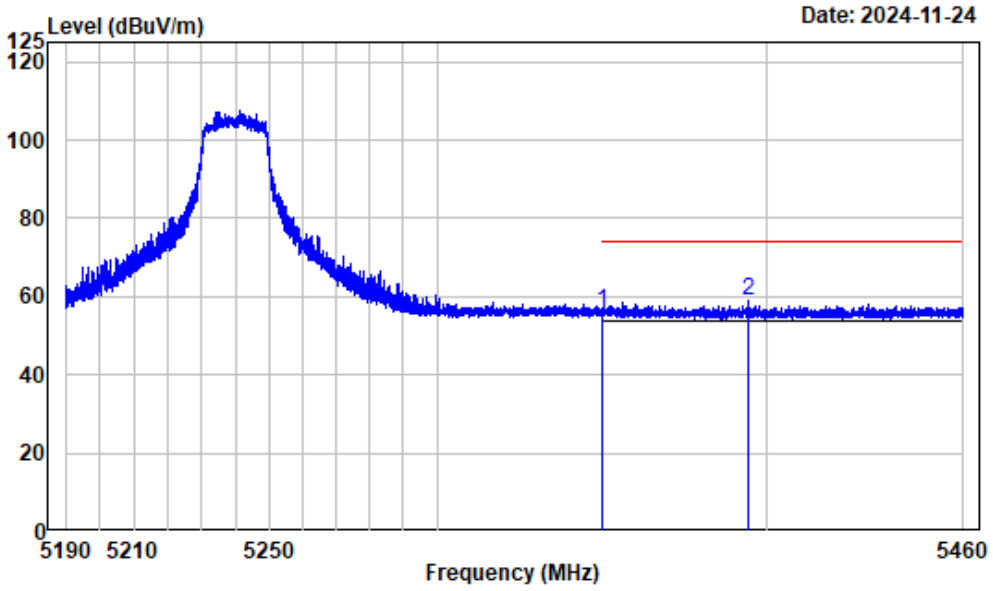
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.40	44.30	54.00	-9.70	Average
2	5356.577	2.92	41.54	44.46	54.00	-9.54	Average

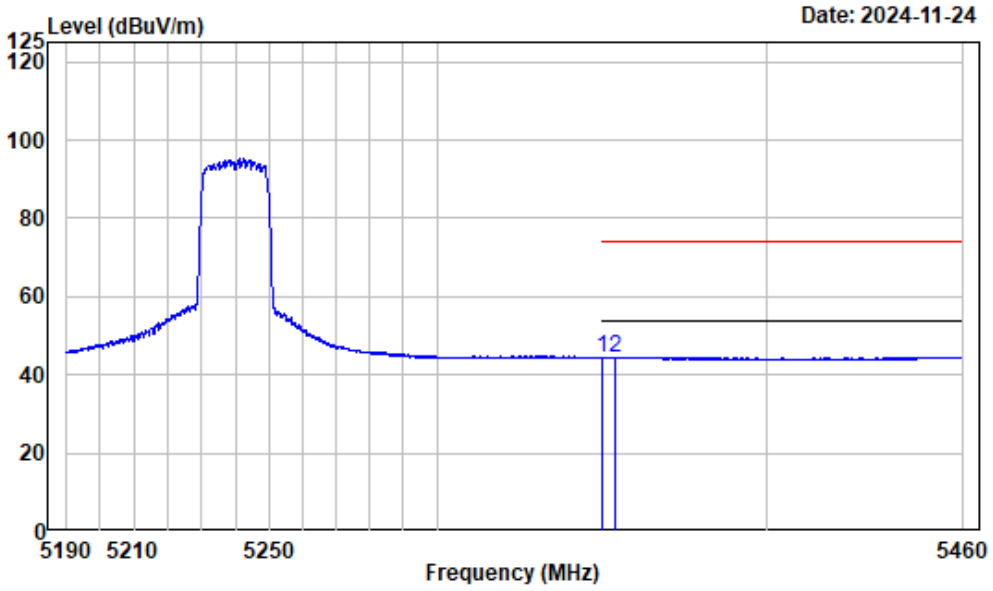
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.08	55.98	74.00	-18.02	Peak
2	5394.044	2.98	56.16	59.14	74.00	-14.86	Peak

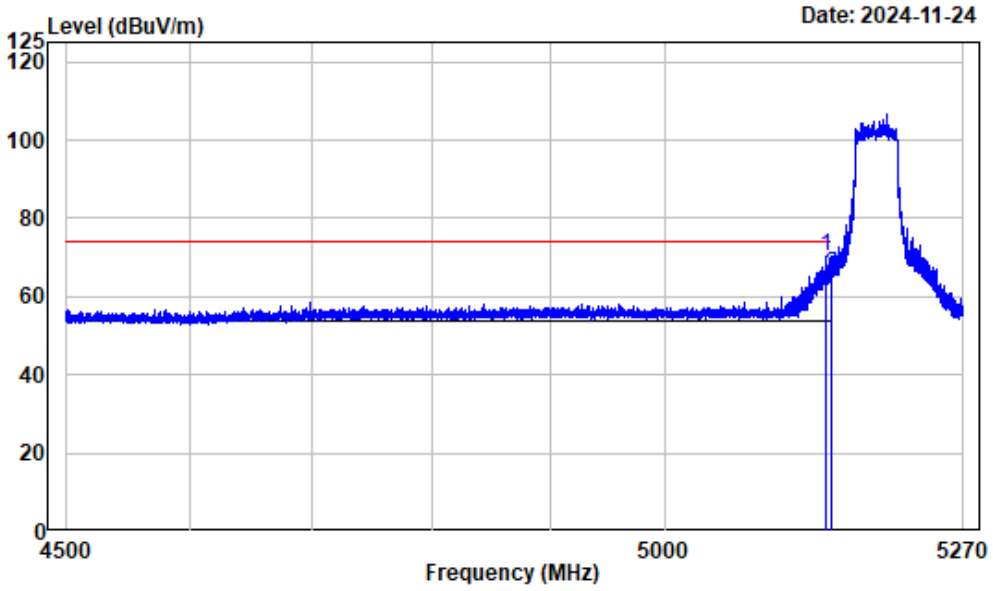
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.37	44.27	54.00	-9.73	Average
2	5353.708	2.92	41.62	44.54	54.00	-9.46	Average

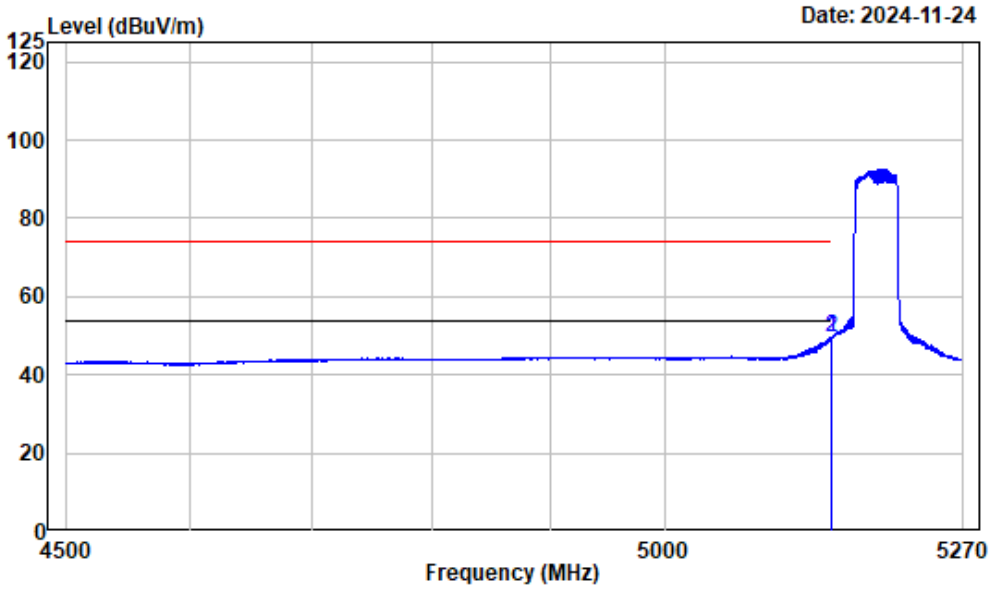
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5144.282	2.70	67.60	70.30	74.00	-3.70	Peak
2	5150.000	2.71	63.05	65.76	74.00	-8.24	Peak

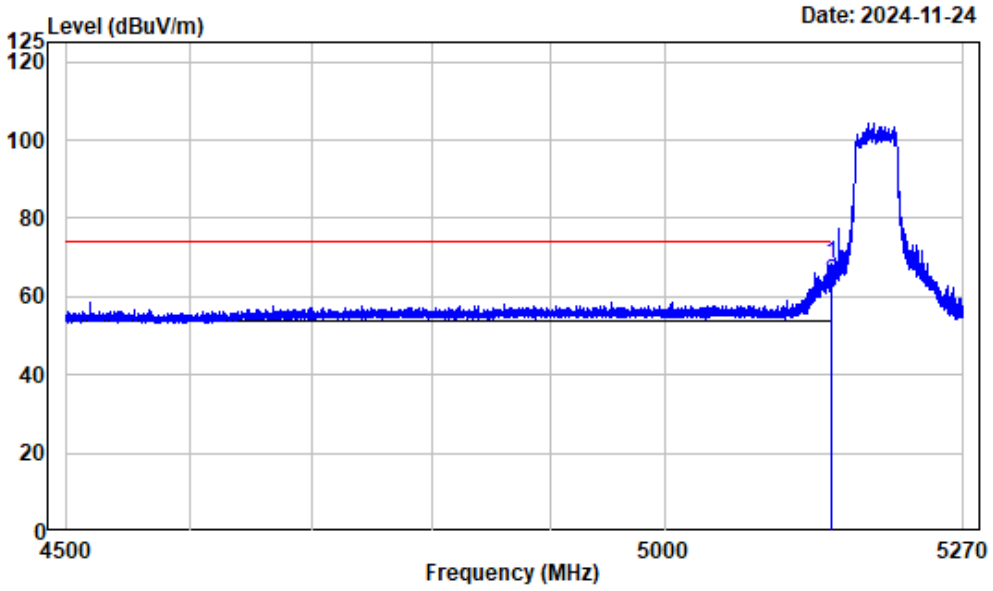
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5148.999	2.71	46.95	49.66	54.00	-4.34	Average
2	5150.000	2.71	46.80	49.51	54.00	-4.49	Average

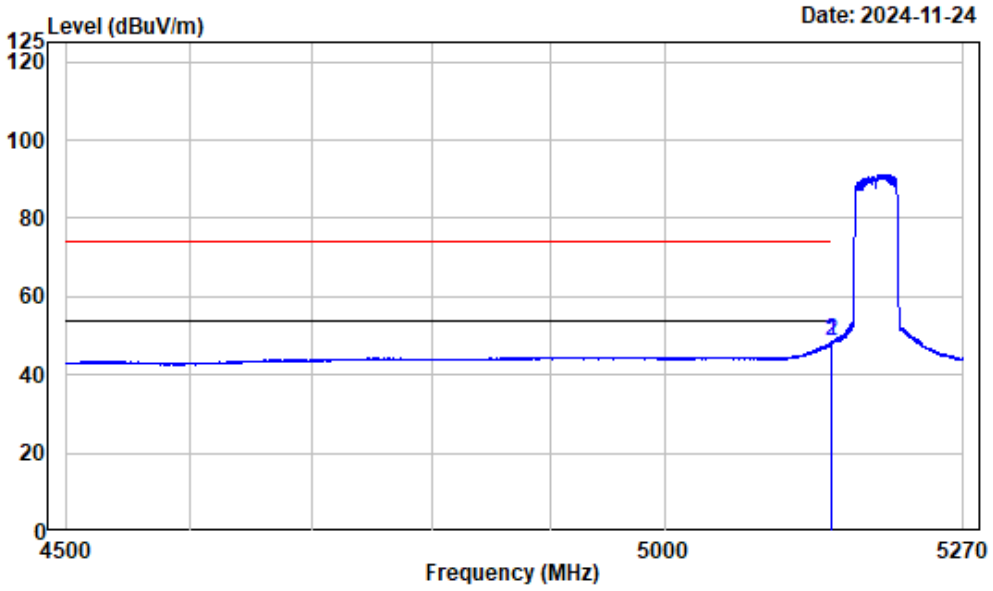
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.095	2.71	65.58	68.29	74.00	-5.71	Peak
2	5150.000	2.71	60.86	63.57	74.00	-10.43	Peak

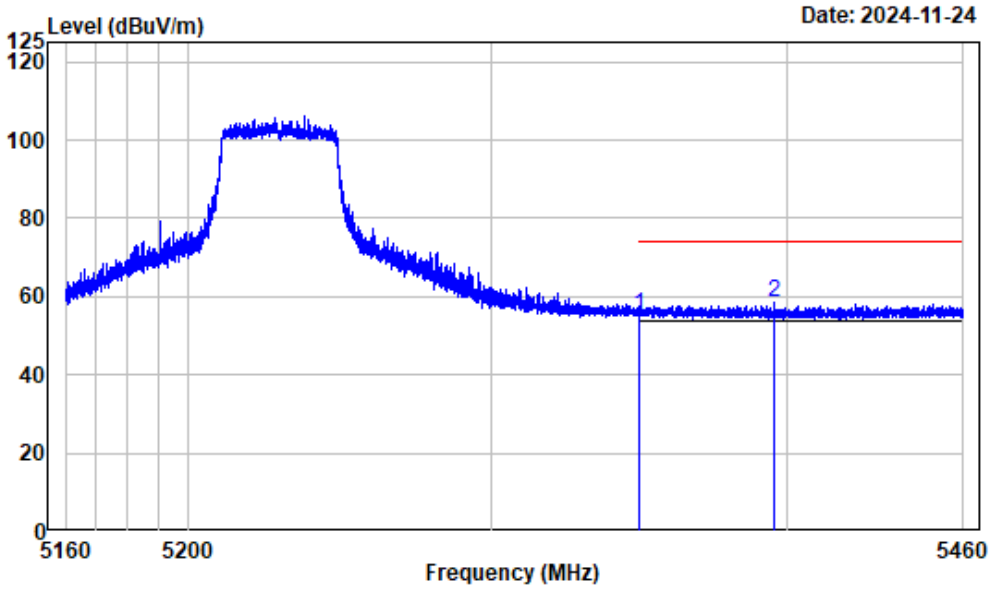
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5190

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5149.191	2.71	45.79	48.50	54.00	-5.50	Average
2	5150.000	2.71	45.65	48.36	54.00	-5.64	Average

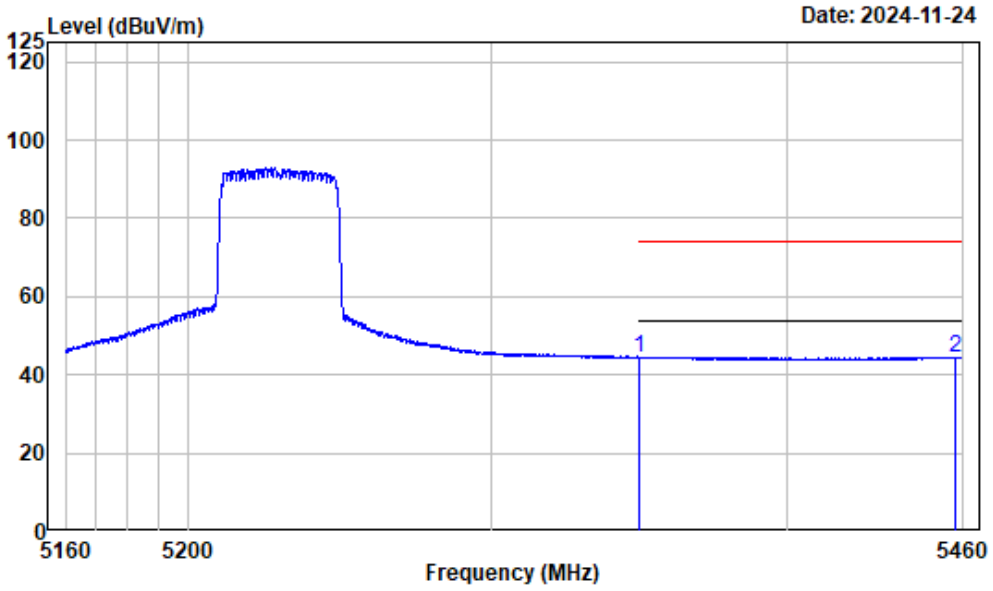
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.49	55.39	74.00	-18.61	Peak
2	5395.267	2.98	55.30	58.28	74.00	-15.72	Peak

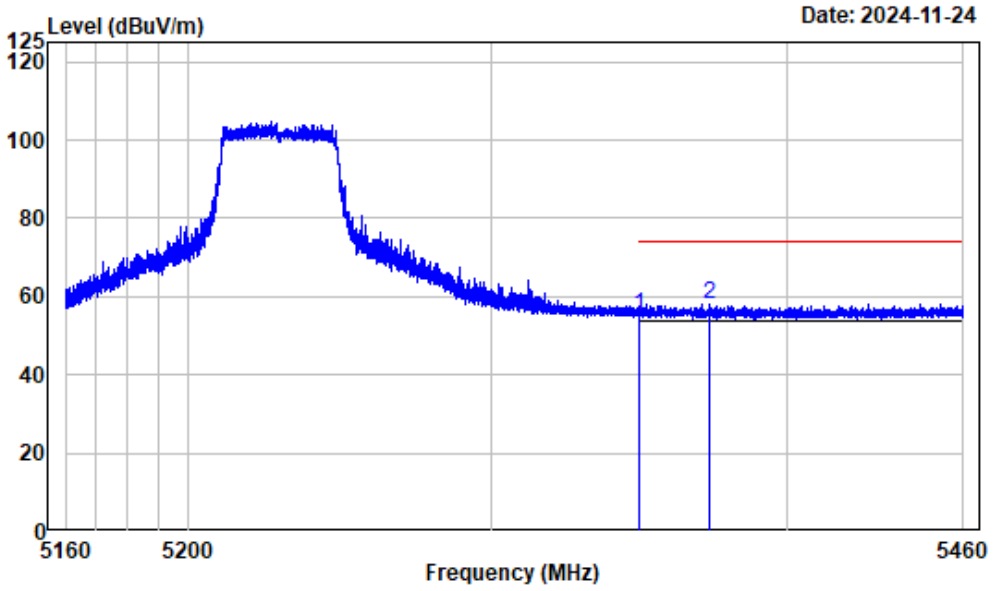
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.39	44.29	54.00	-9.71	Average
2	5457.187	3.06	41.47	44.53	54.00	-9.47	Average

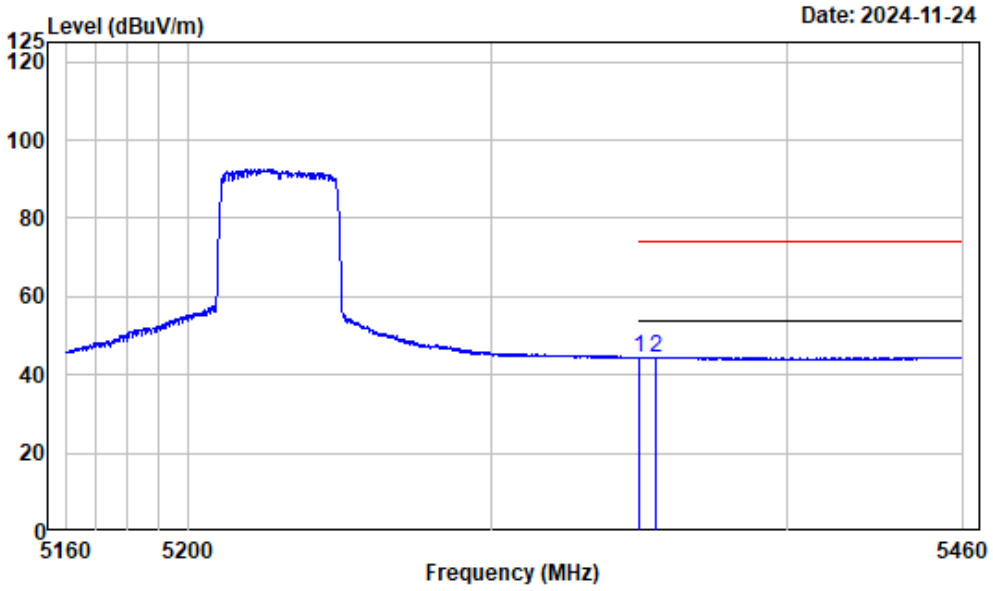
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	52.44	55.34	74.00	-18.66	Peak
2	5373.626	2.95	55.27	58.22	74.00	-15.78	Peak

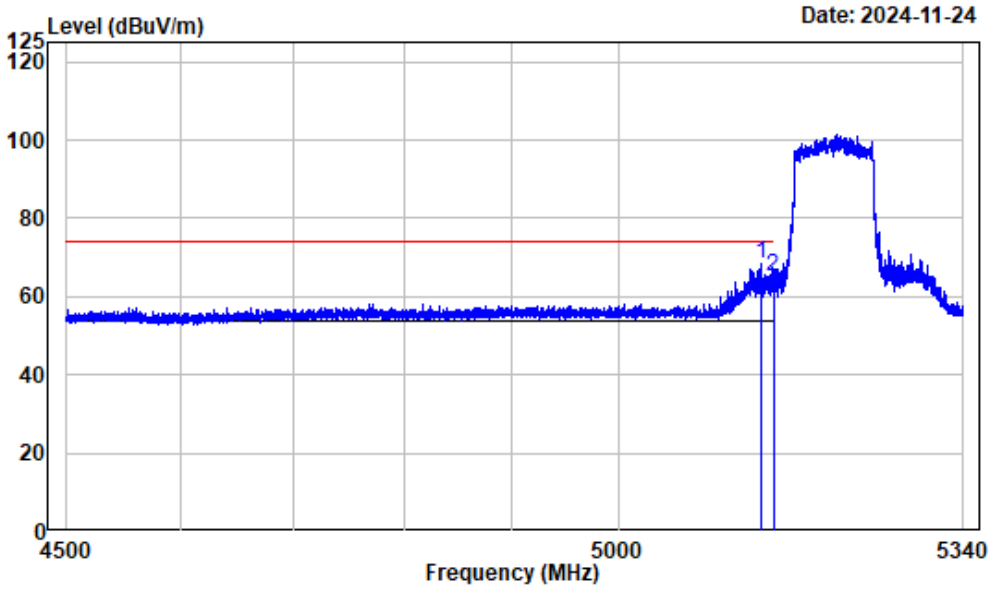
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.45	44.35	54.00	-9.65	Average
2	5355.587	2.92	41.62	44.54	54.00	-9.46	Average

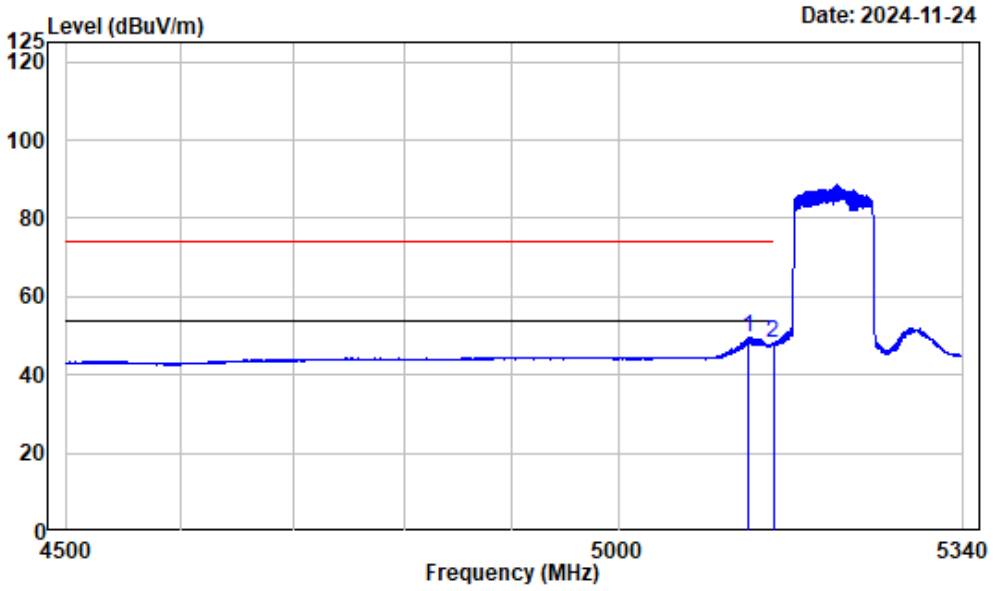
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5137.640	2.71	65.73	68.44	74.00	-5.56	Peak
2	5150.000	2.71	62.56	65.27	74.00	-8.73	Peak

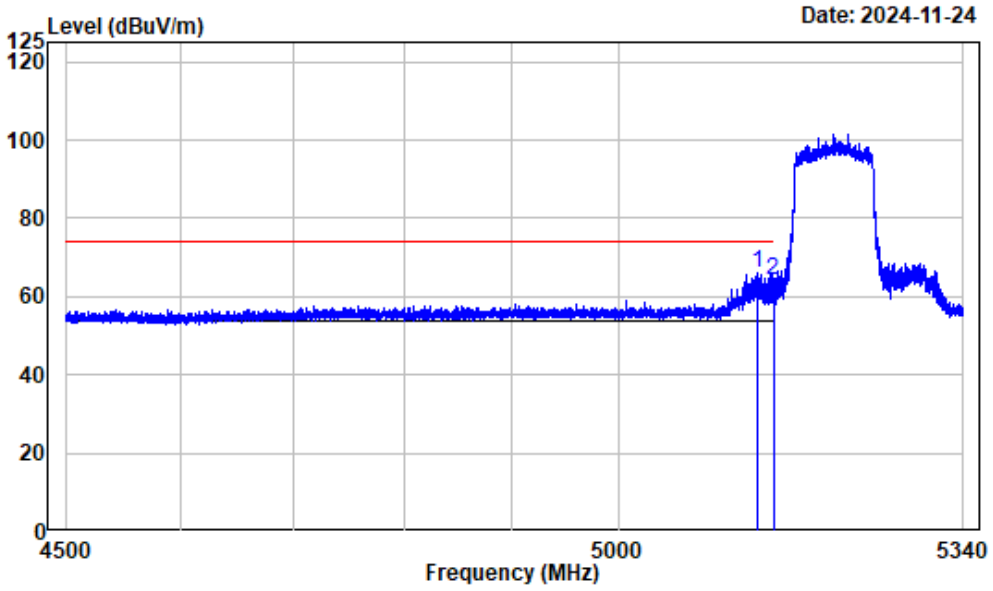
Left Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5126.193	2.71	46.84	49.55	54.00	-4.45	Average
2	5150.000	2.71	45.45	48.16	54.00	-5.84	Average

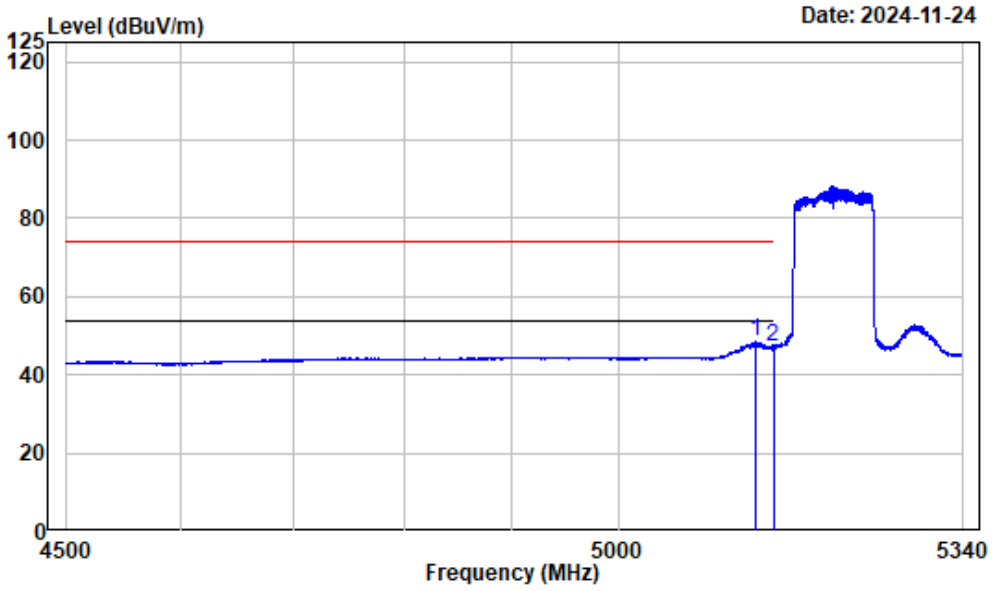
Left Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5134.069	2.71	63.51	66.22	74.00	-7.78	Peak
2	5150.000	2.71	61.29	64.00	74.00	-10.00	Peak

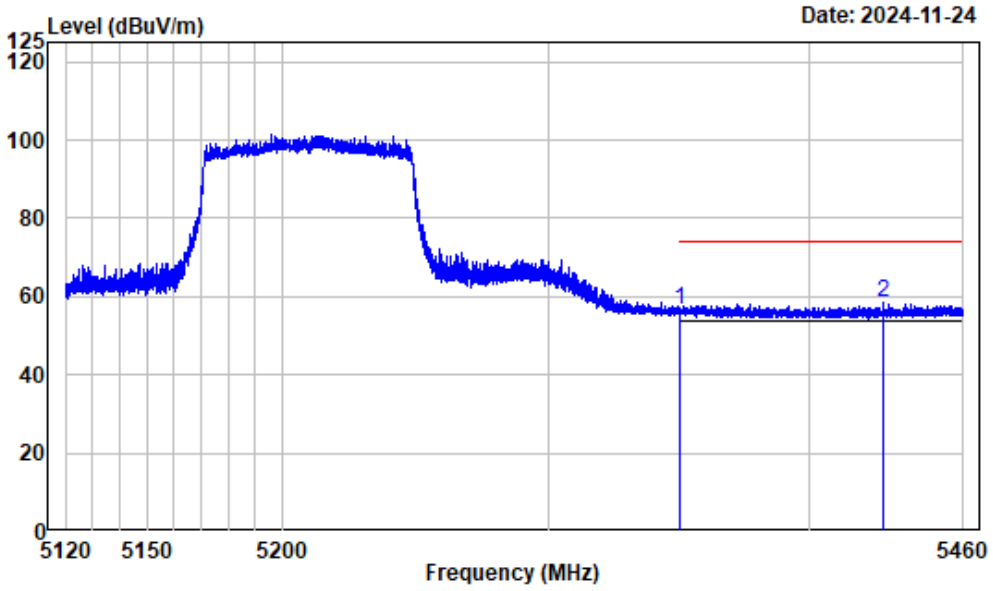
Left Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5133.544	2.71	45.72	48.43	54.00	-5.57	Average
2	5150.000	2.71	44.47	47.18	54.00	-6.82	Average

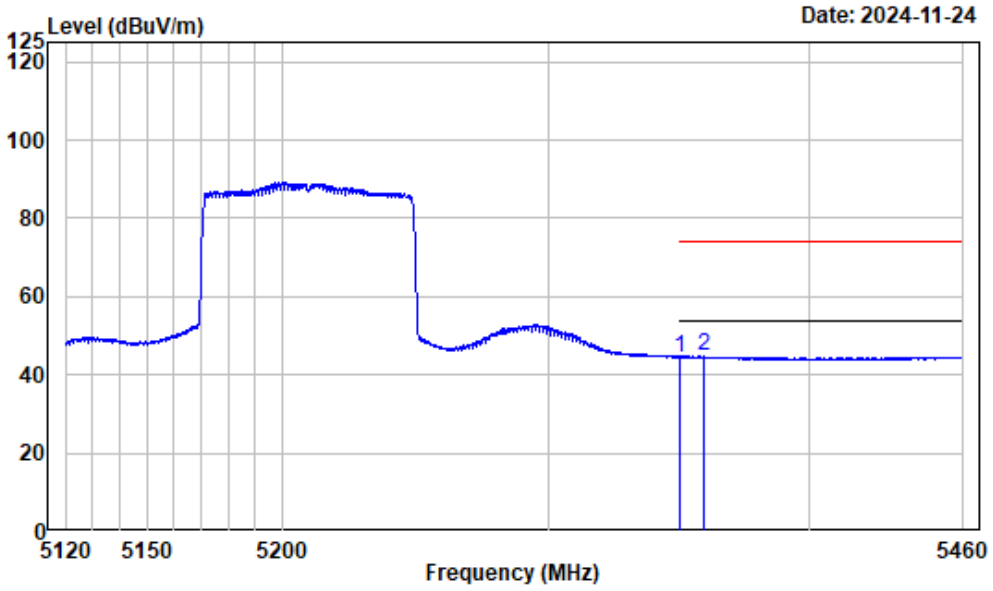
Right Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.75	56.65	74.00	-17.35	Peak
2	5428.503	3.03	55.65	58.68	74.00	-15.32	Peak

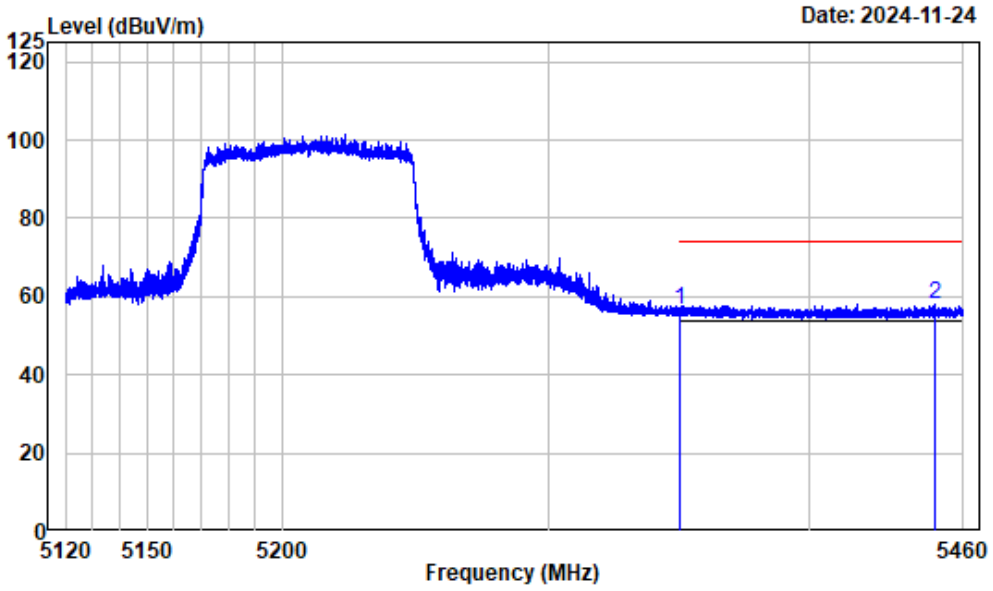
Right Band edge_Horizontal_Average



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.57	44.47	54.00	-9.53	Average
2	5359.475	2.92	41.80	44.72	54.00	-9.28	Average

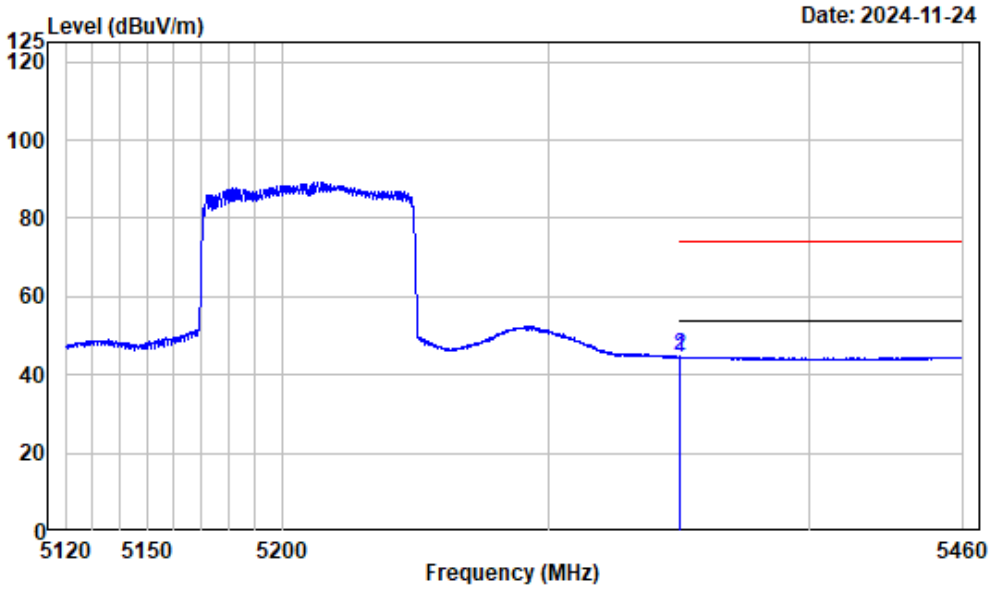
Right Band edge_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	53.83	56.73	74.00	-17.27	Peak
2	5448.949	3.07	55.13	58.20	74.00	-15.80	Peak

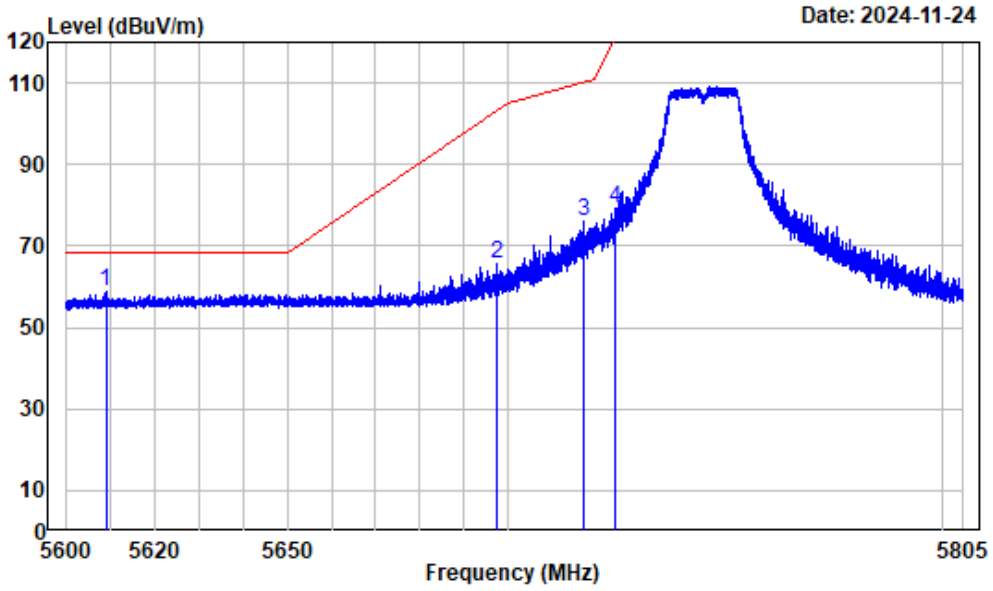
Right Band edge_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5350.000	2.90	41.66	44.56	54.00	-9.44	Average
2	5350.251	2.90	41.71	44.61	54.00	-9.39	Average

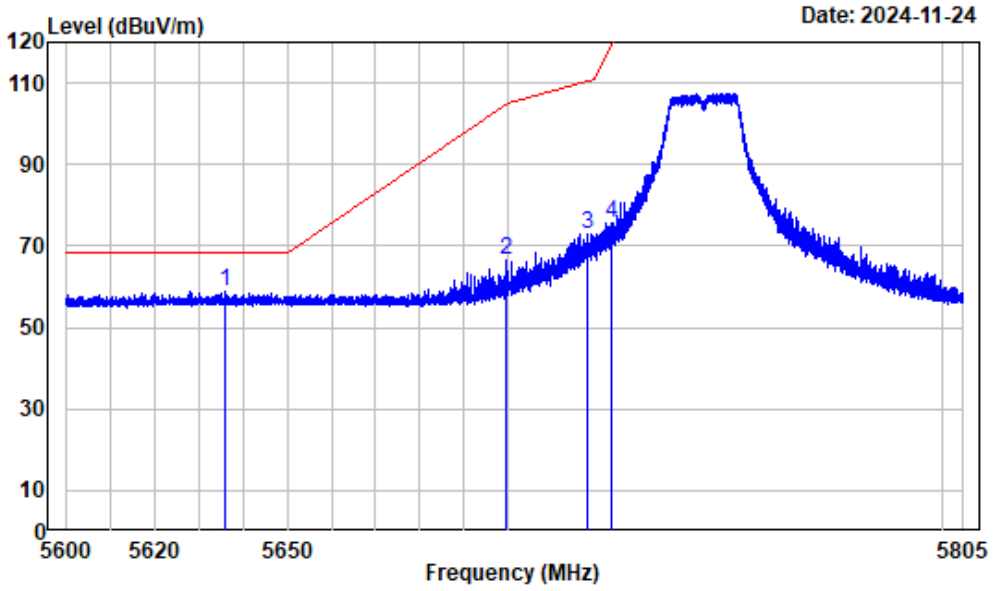
Left Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5609.047	2.96	56.00	58.96	68.20	-9.24	Peak
2	5697.695	3.44	62.31	65.75	103.50	-37.75	Peak
3	5717.608	3.48	72.63	76.11	110.13	-34.02	Peak
4	5724.604	3.48	75.72	79.20	121.30	-42.10	Peak

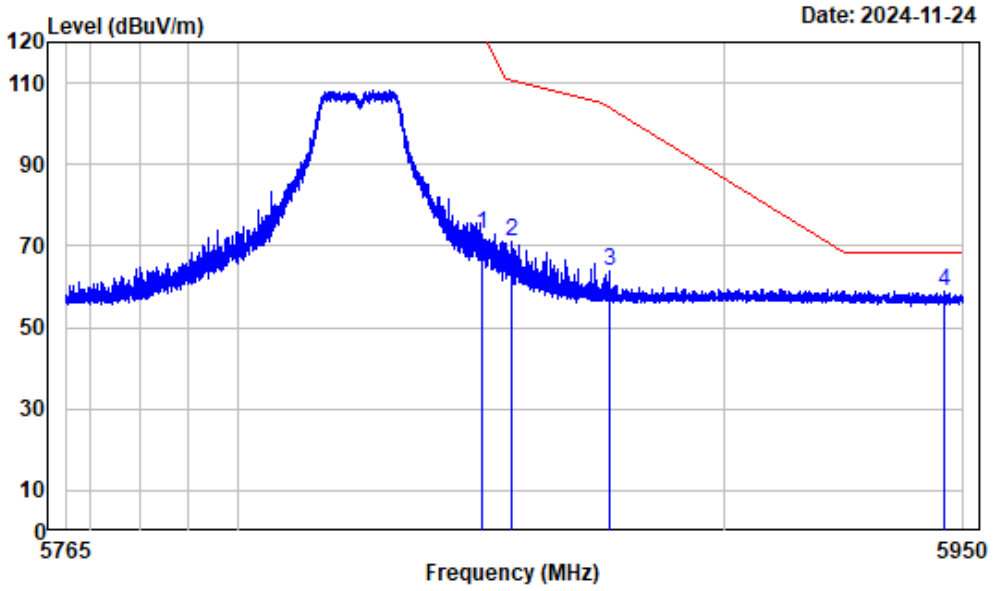
Left Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5636.059	3.17	55.83	59.00	68.20	-9.20	Peak
2	5699.873	3.45	62.90	66.35	105.11	-38.76	Peak
3	5718.351	3.48	69.63	73.11	110.34	-37.23	Peak
4	5723.656	3.48	72.35	75.83	119.14	-43.31	Peak

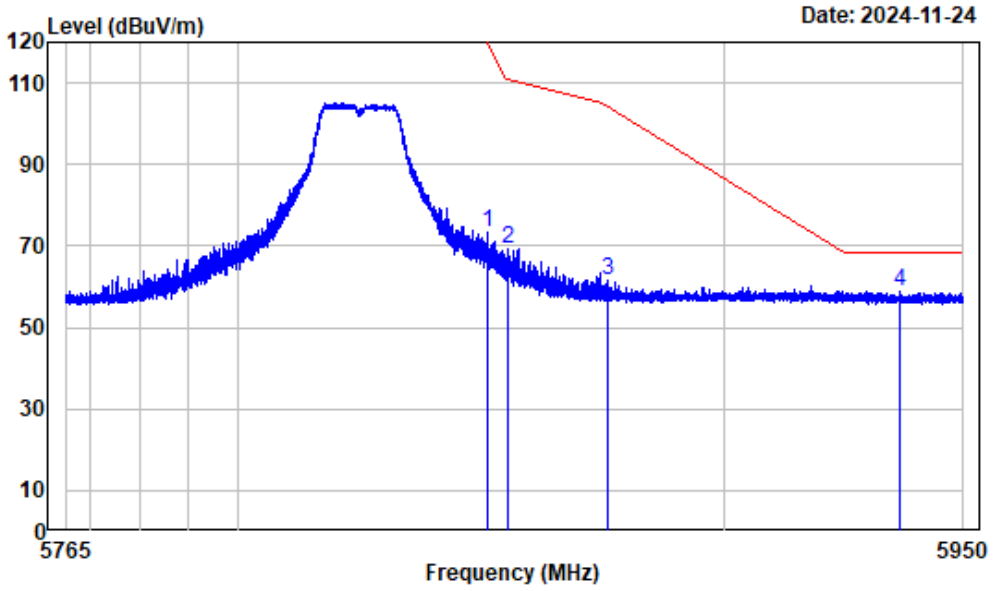
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.272	3.67	69.11	72.78	121.58	-48.80	Peak
2	5856.055	3.70	67.38	71.08	110.50	-39.42	Peak
3	5876.338	3.78	60.03	63.81	104.21	-40.40	Peak
4	5946.161	3.75	55.26	59.01	68.20	-9.19	Peak

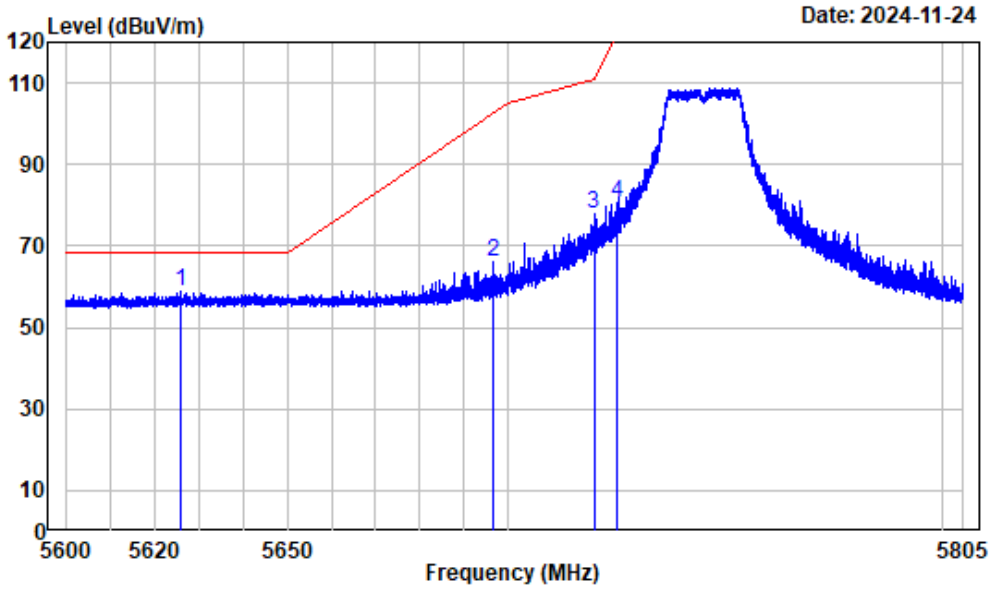
Right Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5851.105	3.67	69.80	73.47	119.68	-46.21	Peak
2	5855.592	3.70	65.71	69.41	110.63	-41.22	Peak
3	5876.153	3.77	57.64	61.41	104.34	-42.93	Peak
4	5936.702	3.77	54.94	58.71	68.20	-9.49	Peak

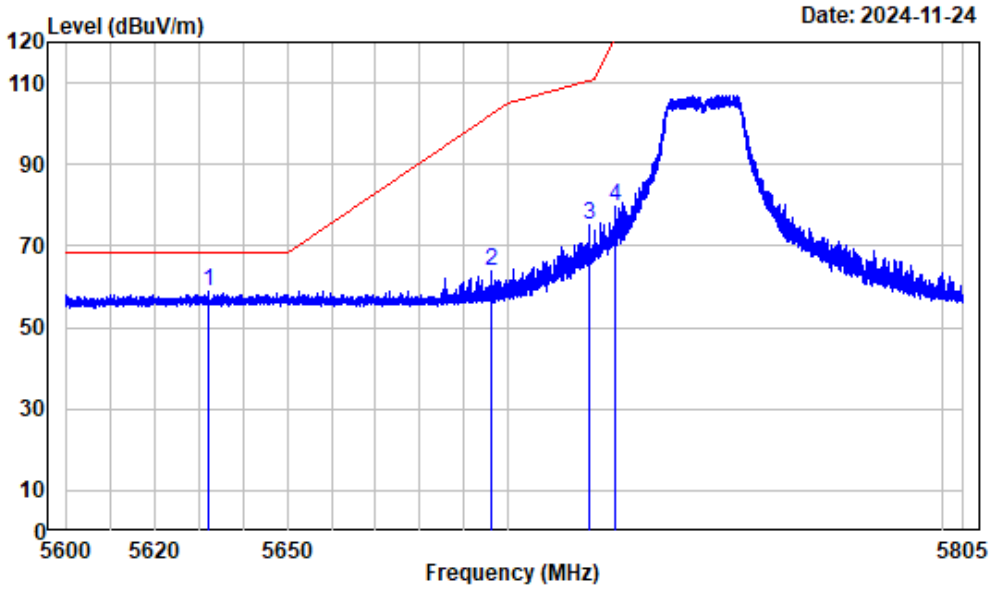
Left Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5625.756	3.09	55.60	58.69	68.20	-9.51	Peak
2	5696.798	3.44	62.88	66.32	102.84	-36.52	Peak
3	5719.761	3.48	74.24	77.72	110.73	-33.01	Peak
4	5724.963	3.48	77.15	80.63	122.12	-41.49	Peak

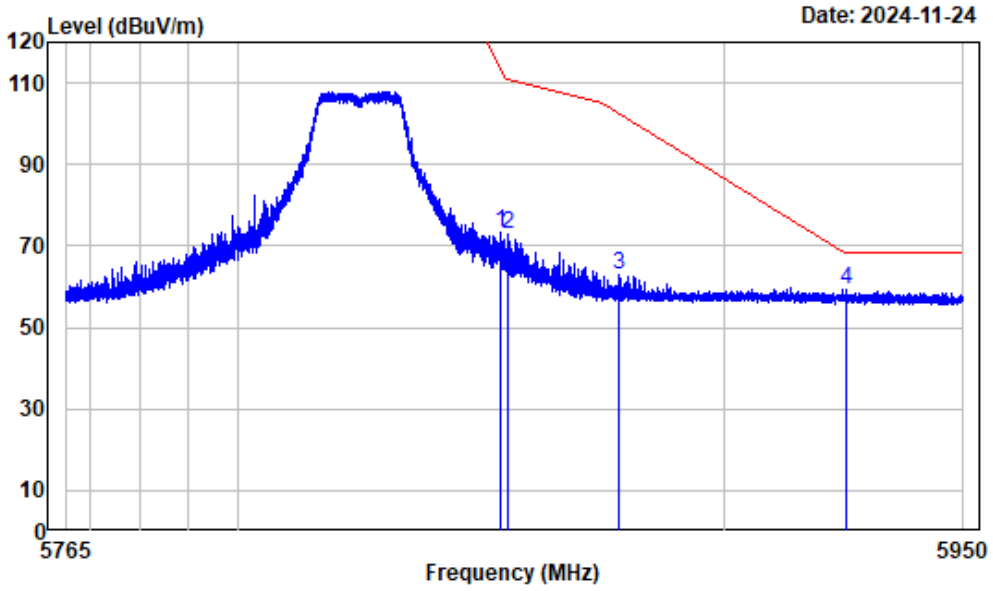
Left Band edge_Horizontal



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5632.086	3.13	55.70	58.83	68.20	-9.37	Peak
2	5696.336	3.44	60.33	63.77	102.50	-38.73	Peak
3	5718.684	3.48	71.90	75.38	110.43	-35.05	Peak
4	5724.502	3.48	76.07	79.55	121.06	-41.51	Peak

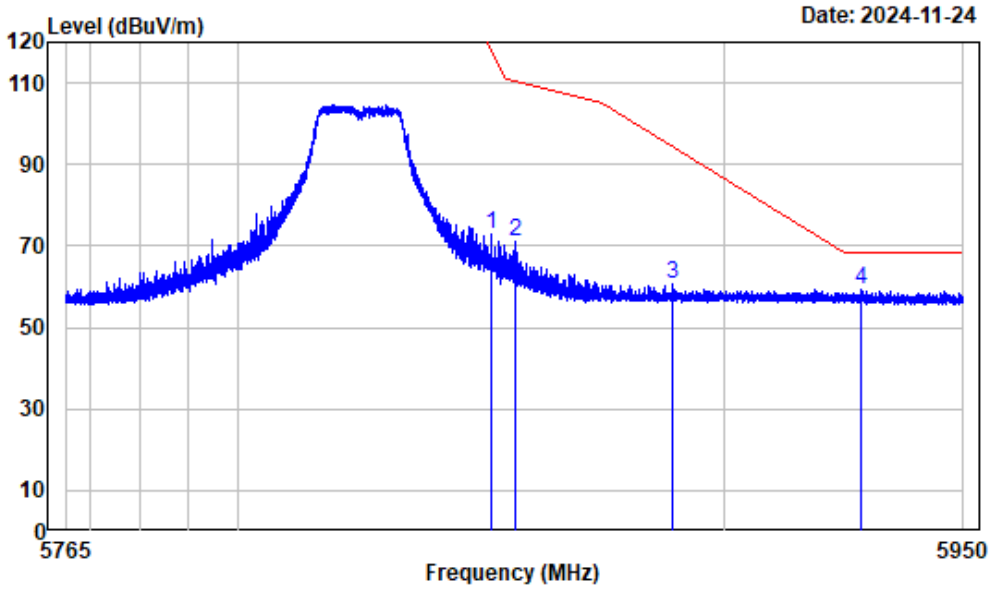
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5853.950	3.70	69.78	73.48	113.19	-39.71	Peak
2	5855.592	3.70	69.00	72.70	110.63	-37.93	Peak
3	5878.188	3.77	59.26	63.03	102.83	-39.80	Peak
4	5925.600	3.79	55.72	59.51	68.20	-8.69	Peak

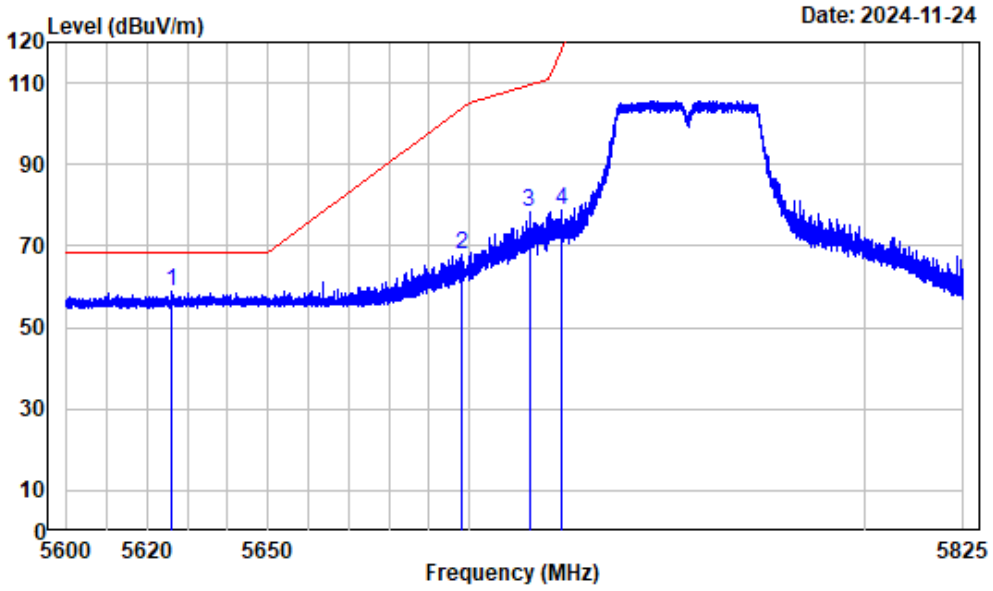
Right Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5851.938	3.69	69.02	72.71	117.78	-45.07	Peak
2	5857.026	3.71	67.27	70.98	110.23	-39.25	Peak
3	5889.289	3.82	56.67	60.49	94.59	-34.10	Peak
4	5928.676	3.78	55.34	59.12	68.20	-9.08	Peak

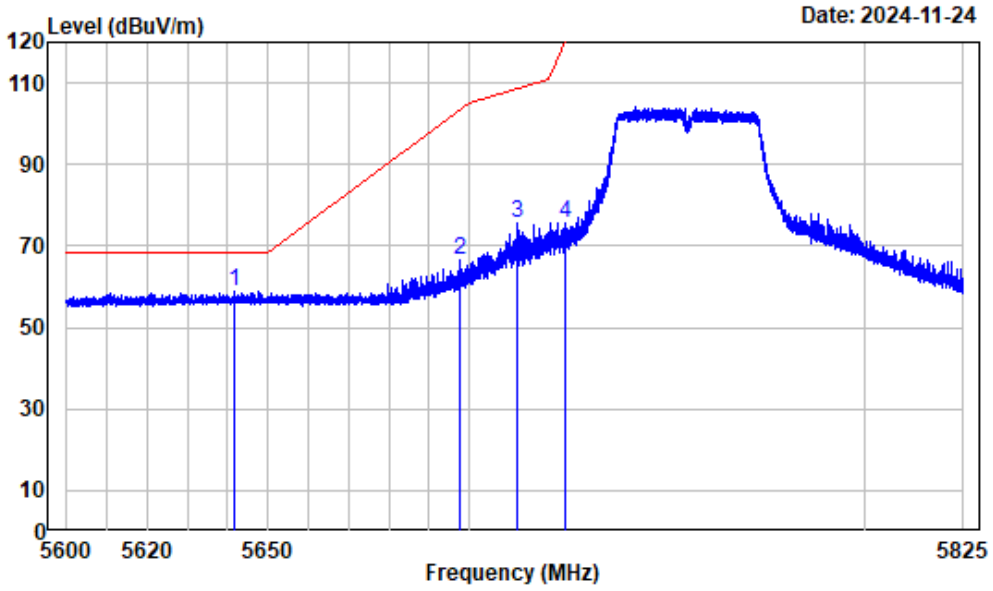
Left Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5626.300	3.09	55.62	58.71	68.20	-9.49	Peak
2	5698.000	3.44	64.31	67.75	103.73	-35.98	Peak
3	5715.102	3.47	75.08	78.55	109.43	-30.88	Peak
4	5723.203	3.48	75.48	78.96	118.10	-39.14	Peak

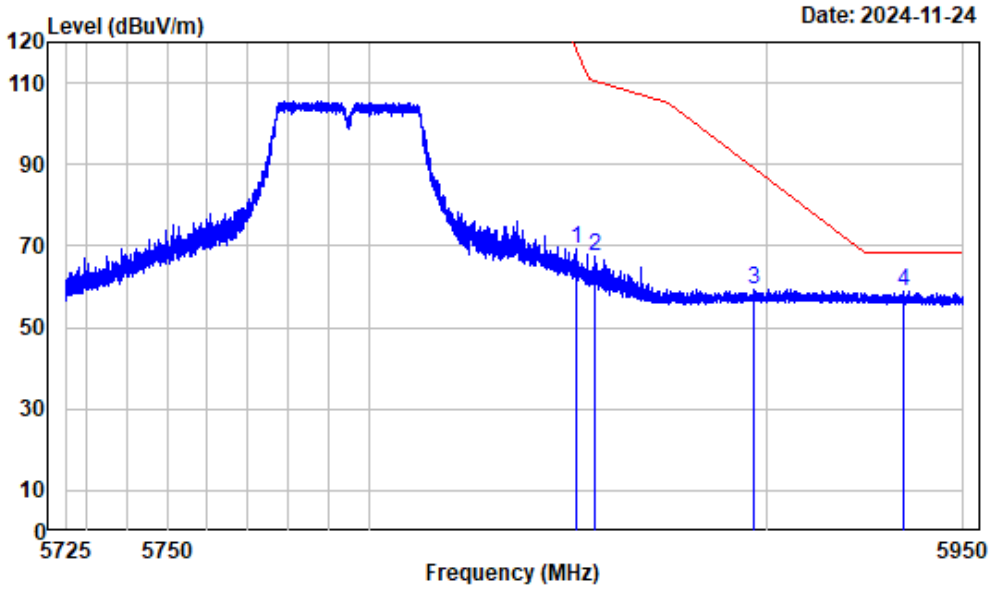
Left Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5641.799	3.20	55.71	58.91	68.20	-9.29	Peak
2	5697.859	3.44	63.07	66.51	103.62	-37.11	Peak
3	5712.317	3.47	71.99	75.46	108.65	-33.19	Peak
4	5723.991	3.48	72.34	75.82	119.90	-44.08	Peak

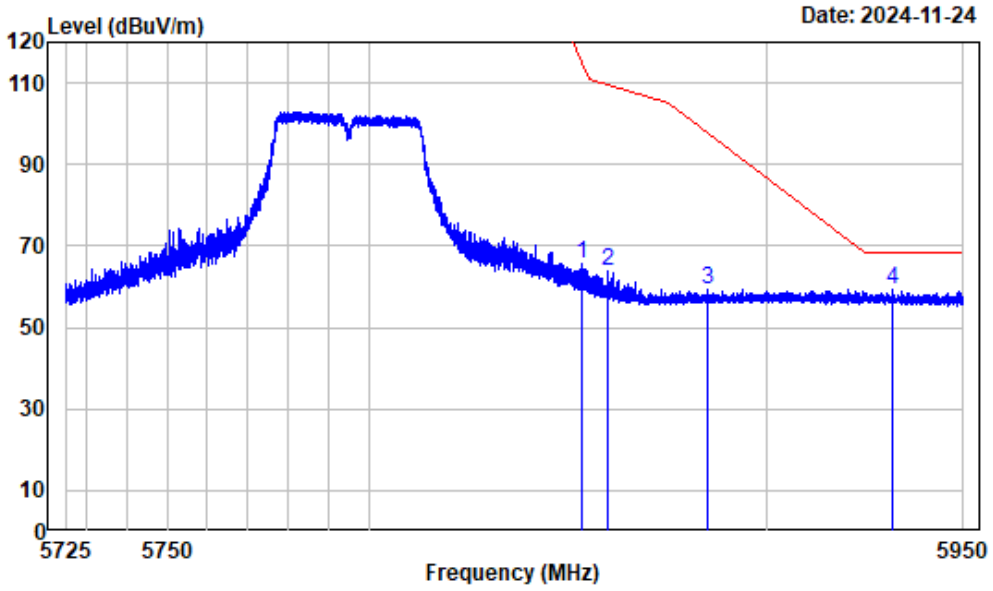
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5852.141	3.69	65.60	69.29	117.32	-48.03	Peak
2	5856.473	3.71	63.62	67.33	110.39	-43.06	Peak
3	5896.950	3.84	55.63	59.47	88.92	-29.45	Peak
4	5934.867	3.77	55.00	58.77	68.20	-9.43	Peak

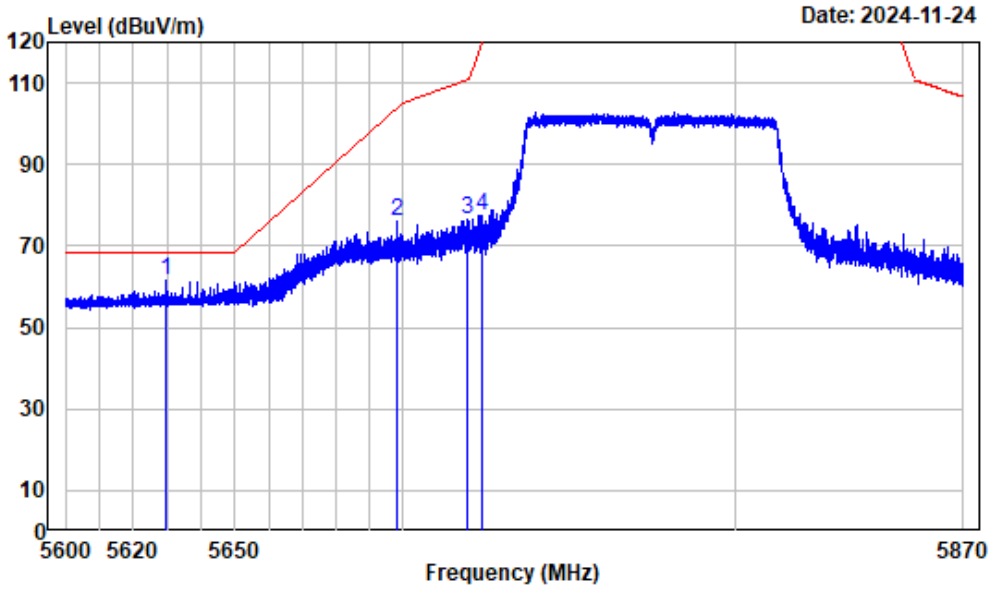
Right Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5853.238	3.69	62.14	65.83	114.82	-48.99	Peak
2	5859.708	3.71	60.24	63.95	109.48	-45.53	Peak
3	5885.136	3.81	55.68	59.49	97.67	-38.18	Peak
4	5931.970	3.78	55.66	59.44	68.20	-8.76	Peak

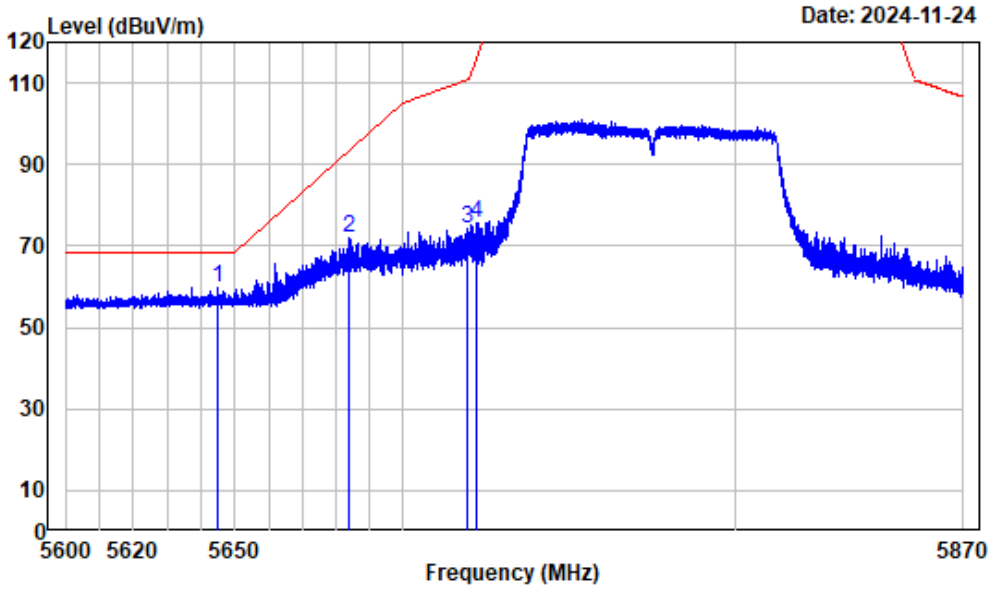
Left Band edge_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5629.805	3.12	58.36	61.48	68.20	-6.72	Peak
2	5698.292	3.44	72.60	76.04	103.94	-27.90	Peak
3	5719.152	3.48	72.96	76.44	110.56	-34.12	Peak
4	5723.507	3.48	74.08	77.56	118.80	-41.24	Peak

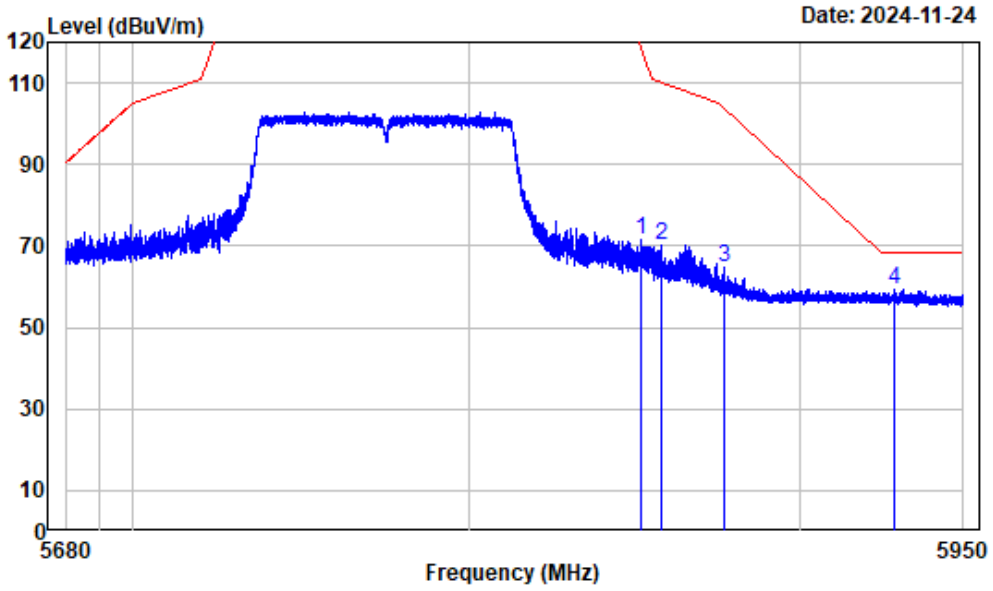
Left Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5645.028	3.23	56.46	59.69	68.20	-8.51	Peak
2	5683.812	3.40	68.72	72.12	93.26	-21.14	Peak
3	5719.186	3.48	70.71	74.19	110.57	-36.38	Peak
4	5722.123	3.48	72.28	75.76	115.64	-39.88	Peak

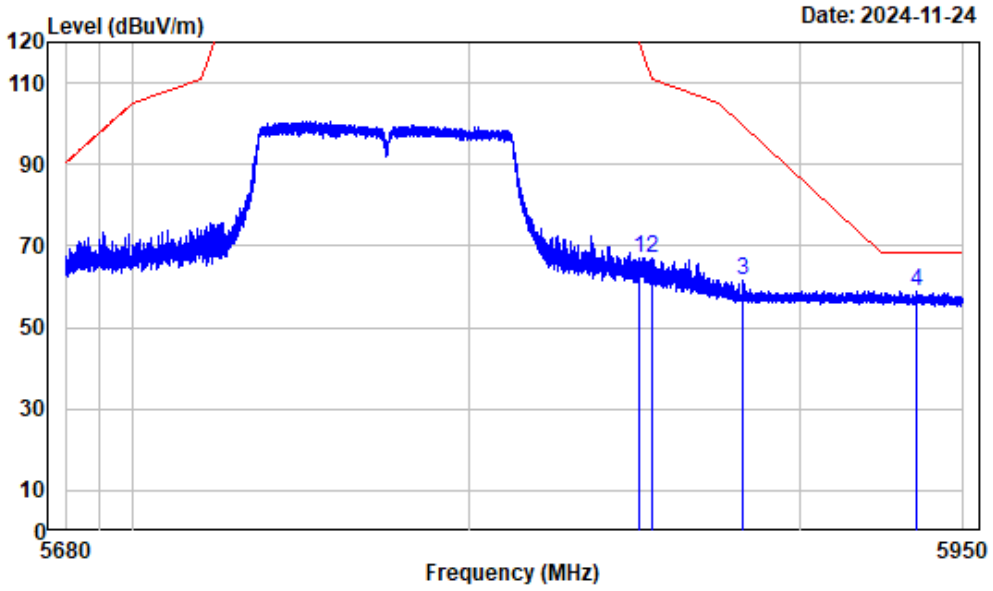
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5851.910	3.69	67.99	71.68	117.84	-46.16	Peak
2	5857.716	3.71	66.68	70.39	110.04	-39.65	Peak
3	5876.854	3.78	60.79	64.57	103.82	-39.25	Peak
4	5929.072	3.78	55.59	59.37	68.20	-8.83	Peak

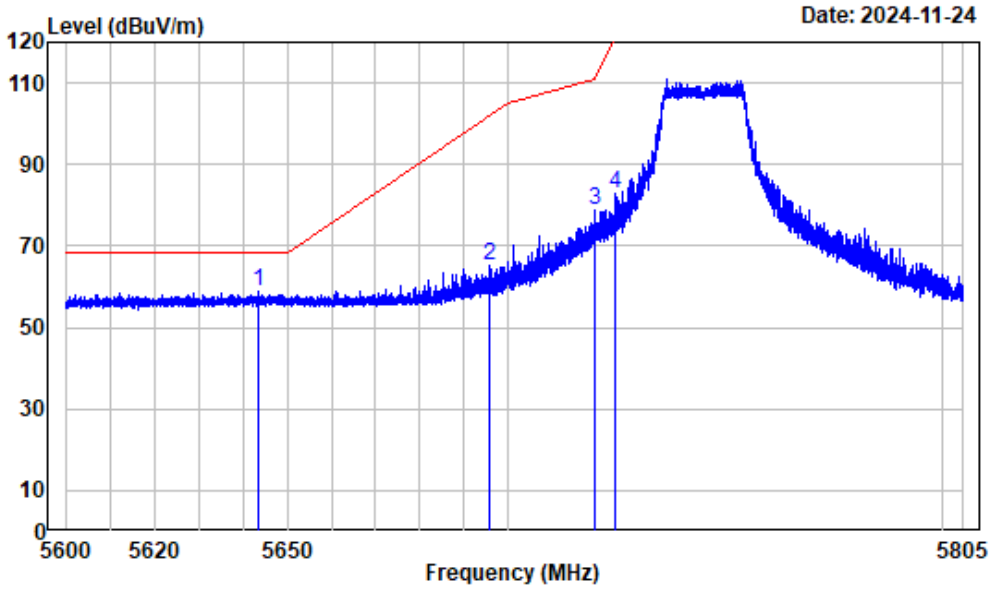
Right Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5851.336	3.68	63.34	67.02	119.15	-52.13	Peak
2	5855.252	3.70	63.51	67.21	110.73	-43.52	Peak
3	5882.660	3.79	57.87	61.66	99.51	-37.85	Peak
4	5935.384	3.77	55.19	58.96	68.20	-9.24	Peak

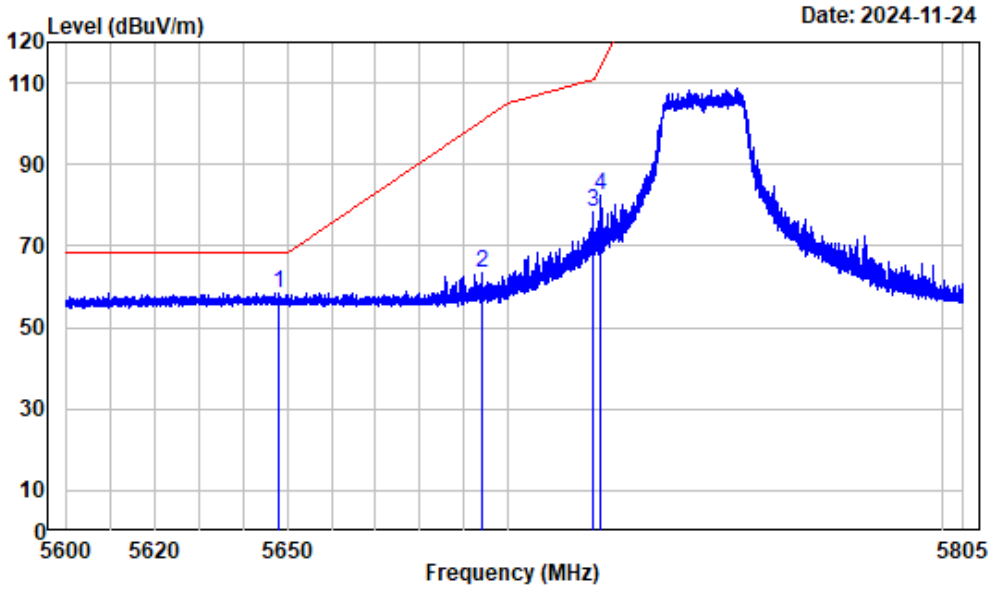
Left Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5643.491	3.22	55.44	58.66	68.20	-9.54	Peak
2	5695.875	3.43	61.72	65.15	102.16	-37.01	Peak
3	5719.837	3.48	75.53	79.01	110.75	-31.74	Peak
4	5724.502	3.48	79.16	82.64	121.06	-38.42	Peak

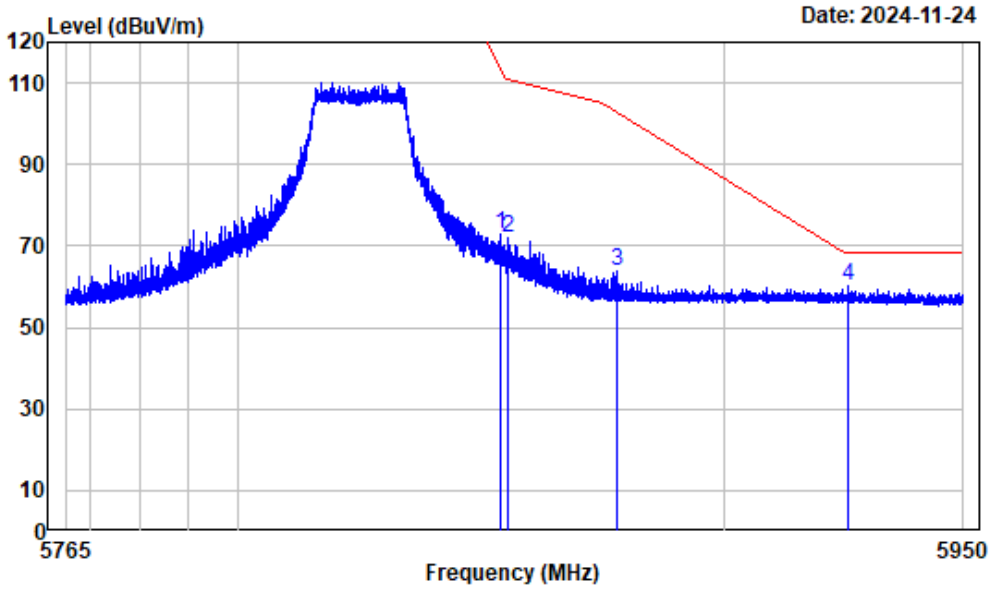
Left Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5745

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5648.027	3.25	55.21	58.46	68.20	-9.74	Peak
2	5694.107	3.43	60.14	63.57	100.86	-37.29	Peak
3	5719.427	3.48	75.04	78.52	110.64	-32.12	Peak
4	5721.375	3.48	79.16	82.64	113.94	-31.30	Peak

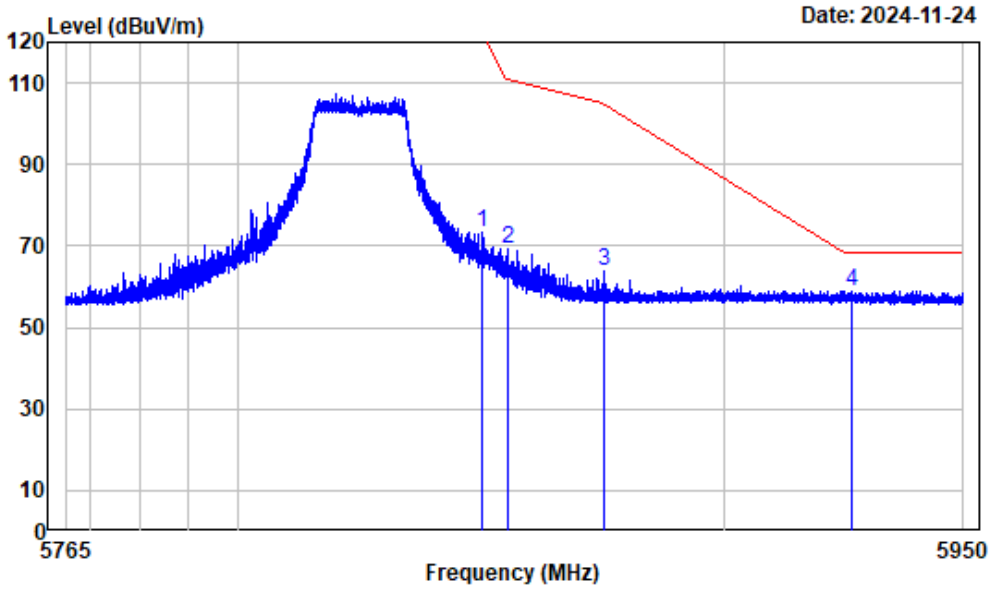
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5853.788	3.70	69.28	72.98	113.56	-40.58	Peak
2	5855.337	3.70	68.17	71.87	110.71	-38.84	Peak
3	5878.142	3.77	60.28	64.05	102.87	-38.82	Peak
4	5925.924	3.79	56.46	60.25	68.20	-7.95	Peak

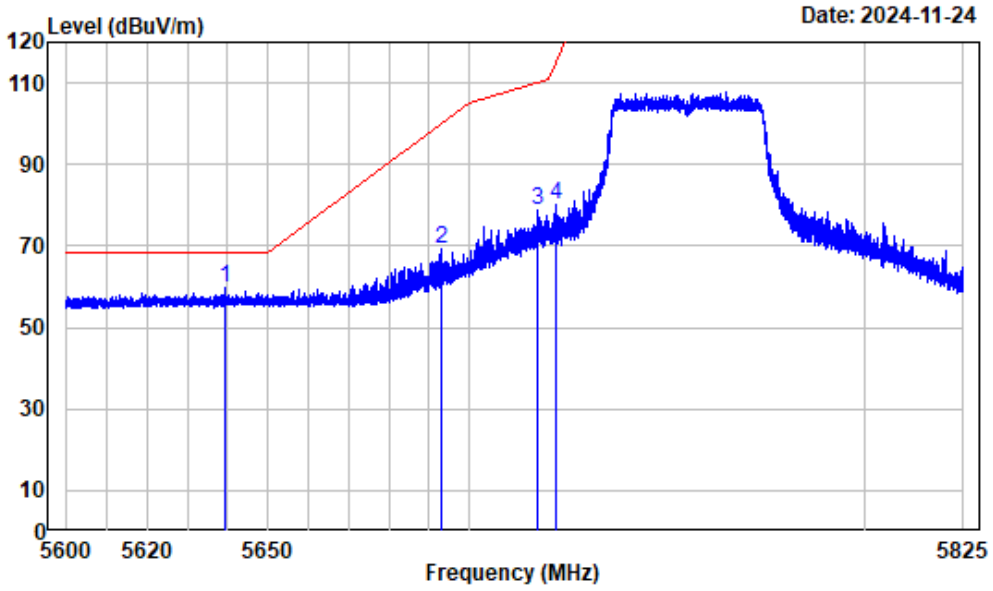
Right Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.296	3.67	69.76	73.43	121.53	-48.10	Peak
2	5855.476	3.70	65.41	69.11	110.67	-41.56	Peak
3	5875.274	3.77	59.98	63.75	105.00	-41.25	Peak
4	5926.733	3.79	55.30	59.09	68.20	-9.11	Peak

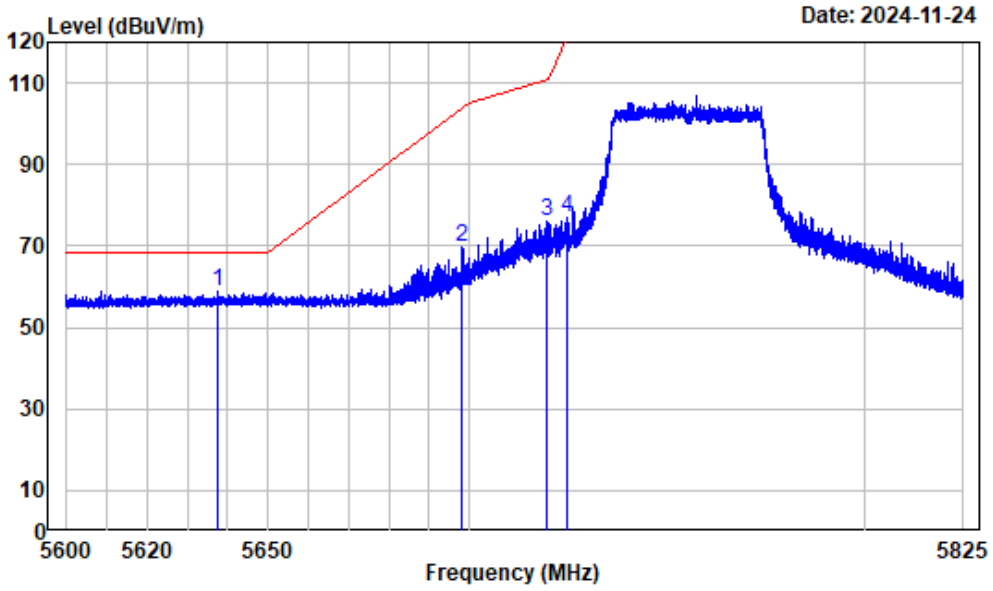
Left Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5639.408	3.20	56.36	59.56	68.20	-8.64	Peak
2	5693.190	3.42	66.06	69.48	100.18	-30.70	Peak
3	5717.015	3.47	75.23	78.70	109.97	-31.27	Peak
4	5722.021	3.48	76.56	80.04	115.41	-35.37	Peak

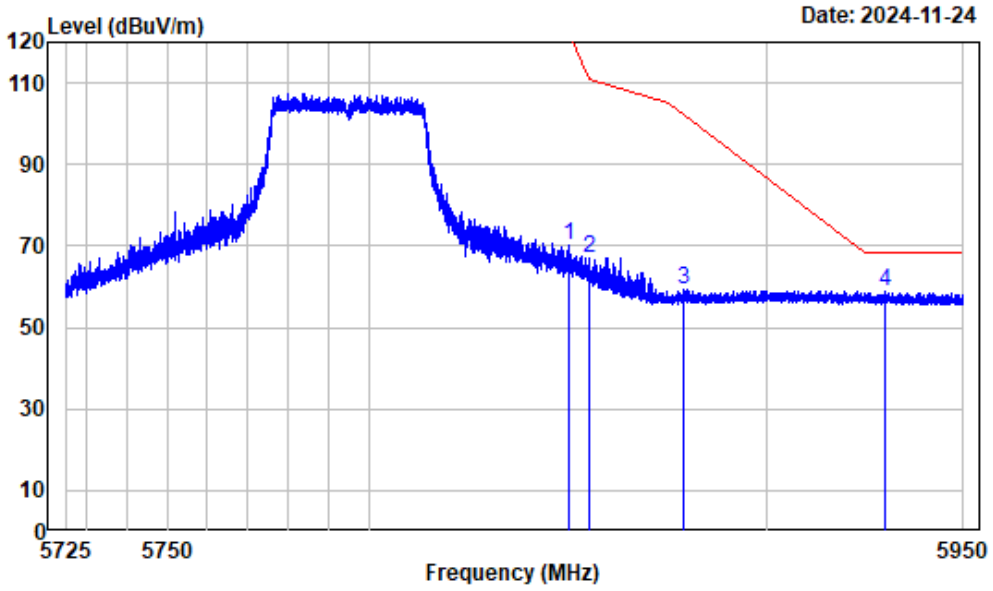
Left Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5755

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5637.664	3.18	55.58	58.76	68.20	-9.44	Peak
2	5698.422	3.44	66.12	69.56	104.04	-34.48	Peak
3	5719.715	3.48	72.73	76.21	110.72	-34.51	Peak
4	5724.666	3.48	73.68	77.16	121.44	-44.28	Peak

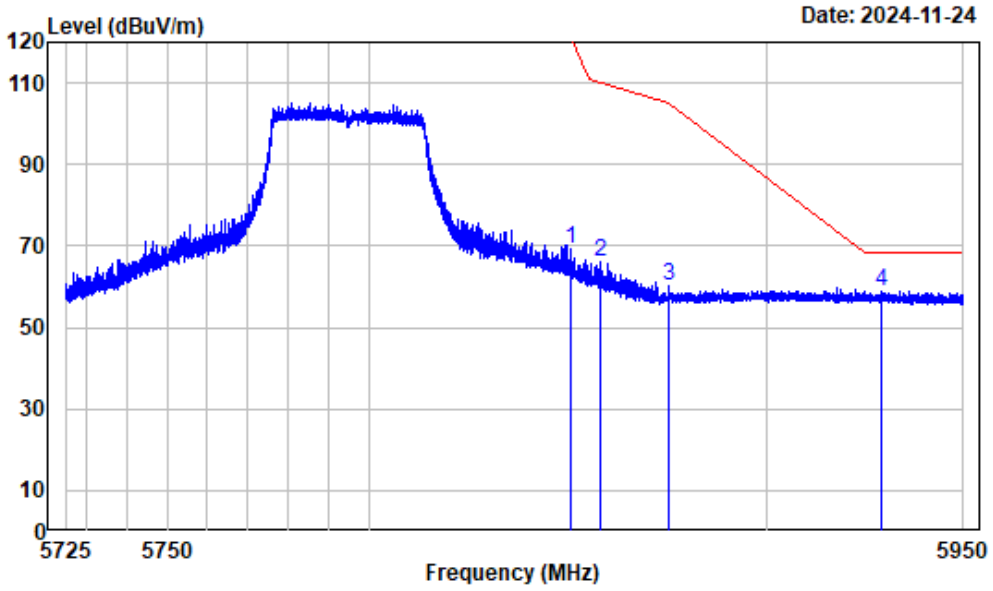
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.003	3.67	66.73	70.40	122.19	-51.79	Peak
2	5855.319	3.70	63.52	67.22	110.71	-43.49	Peak
3	5878.807	3.78	55.49	59.27	102.37	-43.10	Peak
4	5930.057	3.79	55.28	59.07	68.20	-9.13	Peak

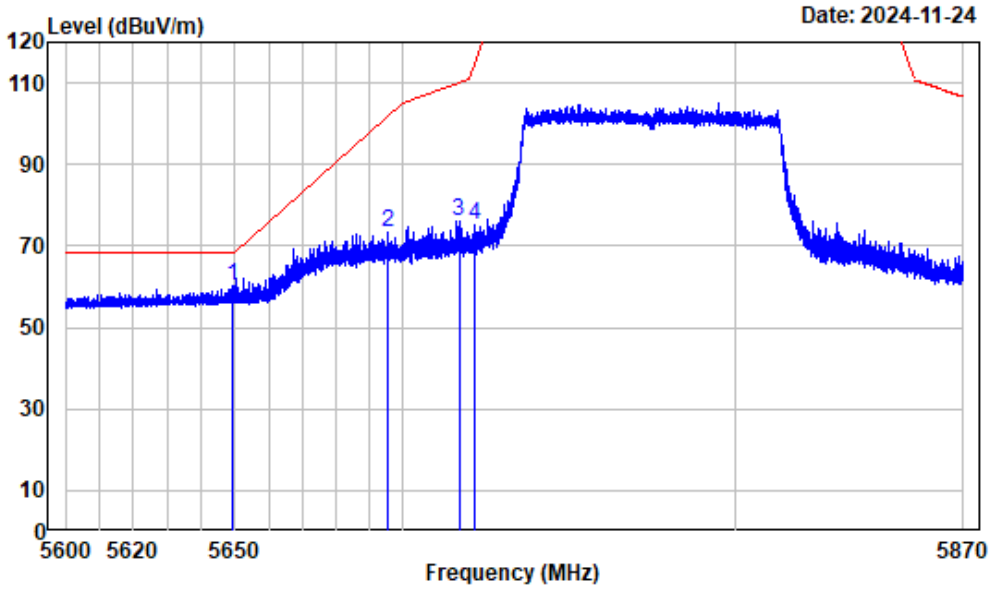
Right Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.734	3.67	65.44	69.11	120.53	-51.42	Peak
2	5858.020	3.71	62.39	66.10	109.95	-43.85	Peak
3	5875.150	3.77	56.38	60.15	105.09	-44.94	Peak
4	5928.932	3.78	54.92	58.70	68.20	-9.50	Peak

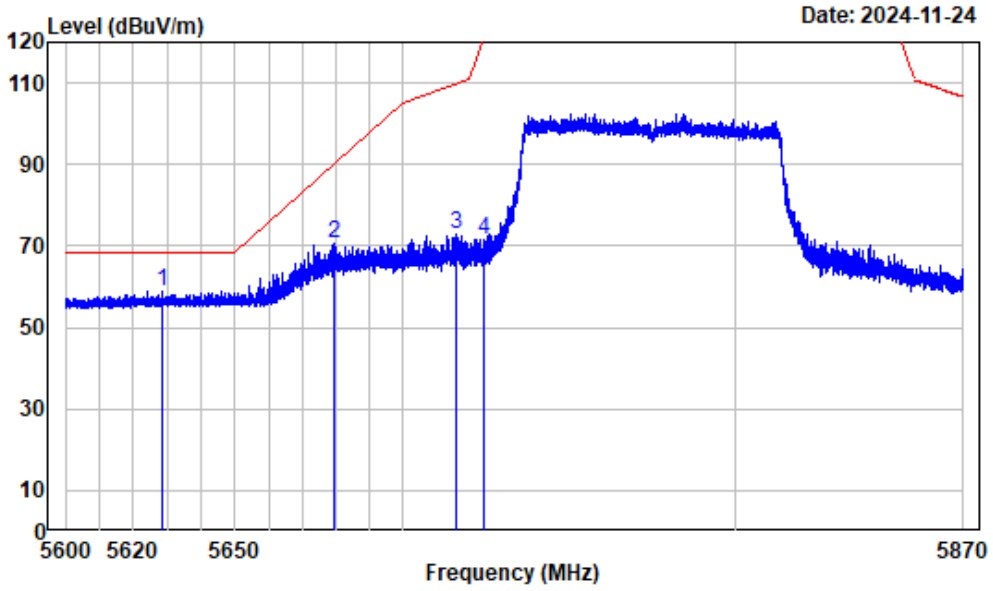
Left Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5649.045	3.27	57.04	60.31	68.20	-7.89	Peak
2	5695.558	3.43	69.72	73.15	101.93	-28.78	Peak
3	5716.756	3.47	72.53	76.00	109.89	-33.89	Peak
4	5721.684	3.48	71.59	75.07	114.64	-39.57	Peak

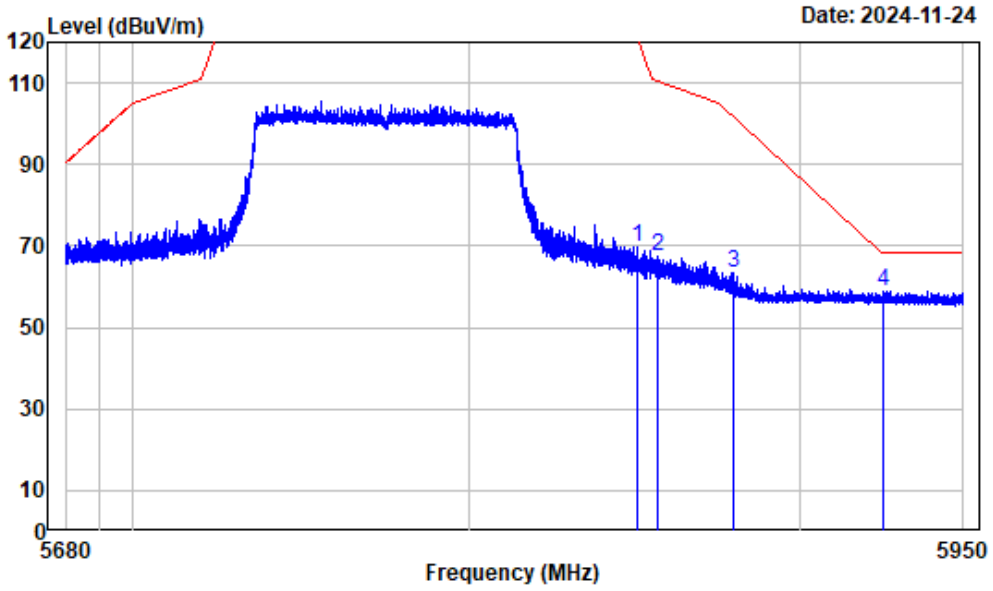
Left Band edge_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5628.421	3.11	55.76	58.87	68.20	-9.33	Peak
2	5679.559	3.37	67.08	70.45	90.11	-19.66	Peak
3	5716.081	3.47	69.36	72.83	109.70	-36.87	Peak
4	5724.452	3.48	68.29	71.77	120.95	-49.18	Peak

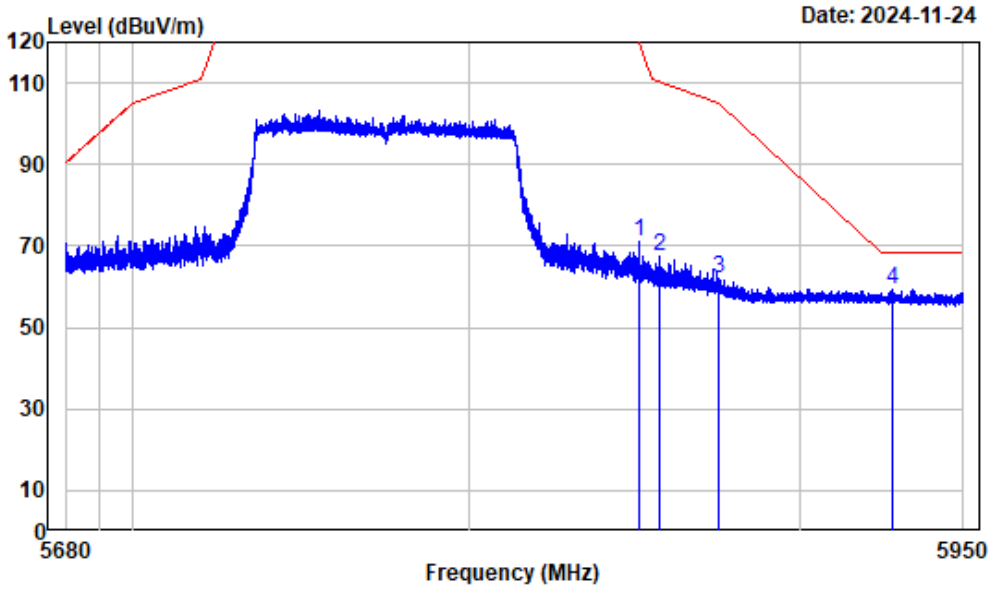
Right Band edge_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.290	3.67	66.01	69.68	121.54	-51.86	Peak
2	5856.939	3.71	63.69	67.40	110.26	-42.86	Peak
3	5879.521	3.78	59.53	63.31	101.84	-38.53	Peak
4	5925.393	3.79	55.09	58.88	68.20	-9.32	Peak

Right Band edge_Vertical

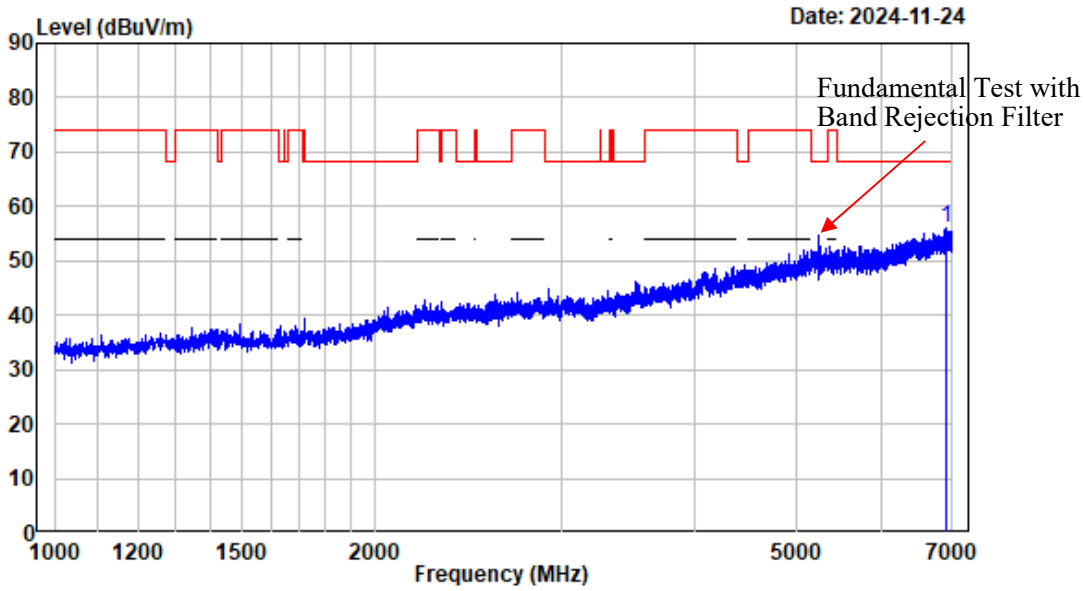


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	5850.830	3.67	67.29	70.96	120.31	-49.35	Peak
2	5857.176	3.71	63.68	67.39	110.19	-42.80	Peak
3	5875.234	3.77	58.19	61.96	105.03	-43.07	Peak
4	5928.397	3.78	55.34	59.12	68.20	-9.08	Peak

1-18GHz (*Listed with the worst harmonic margin test plot***):**

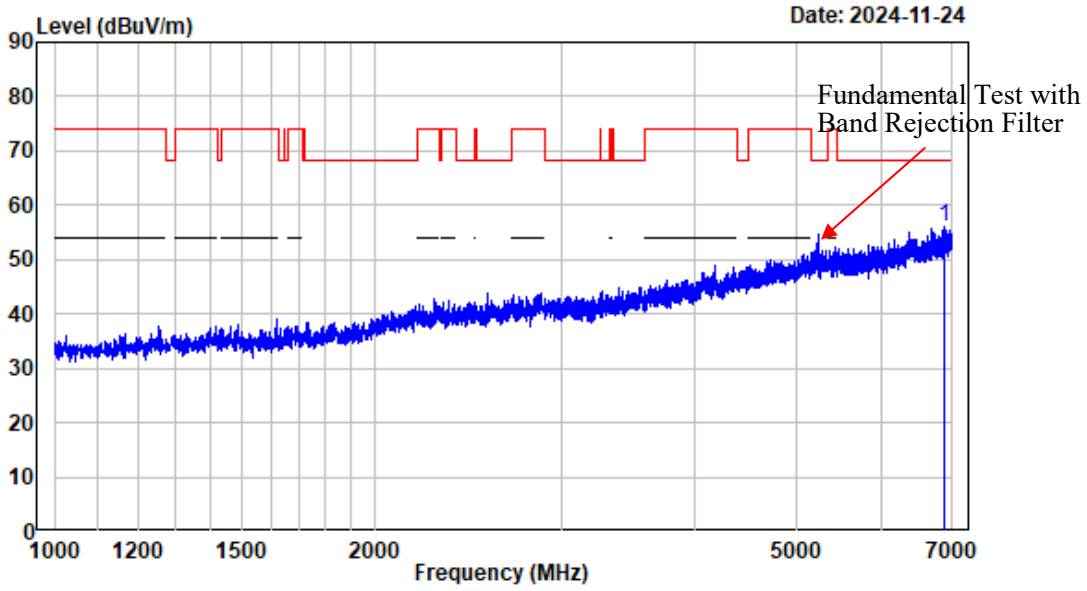
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6906.988	8.17	47.80	55.97	68.20	-12.23	Peak

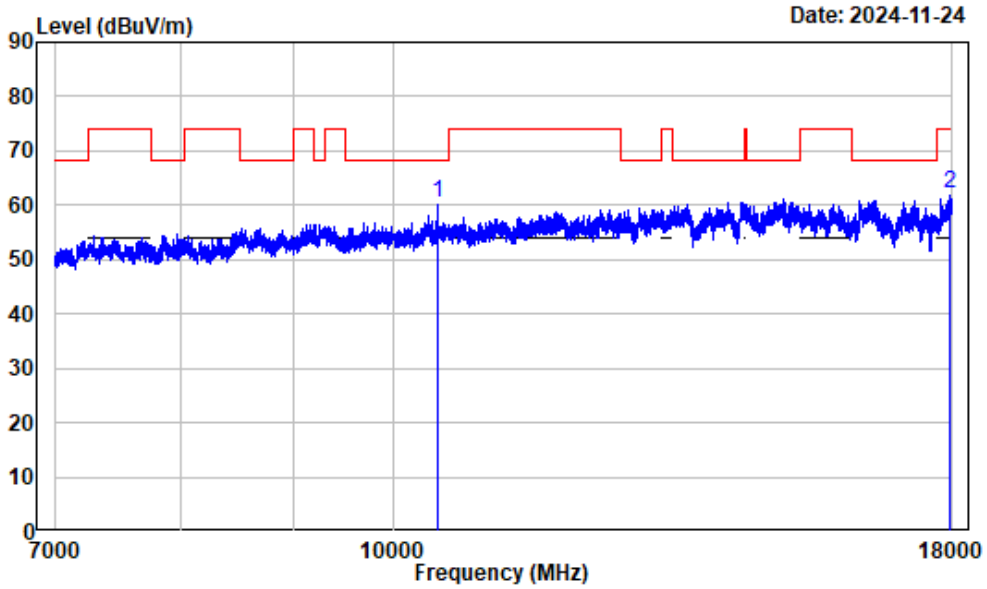
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6872.484	7.96	48.15	56.11	68.20	-12.09	Peak

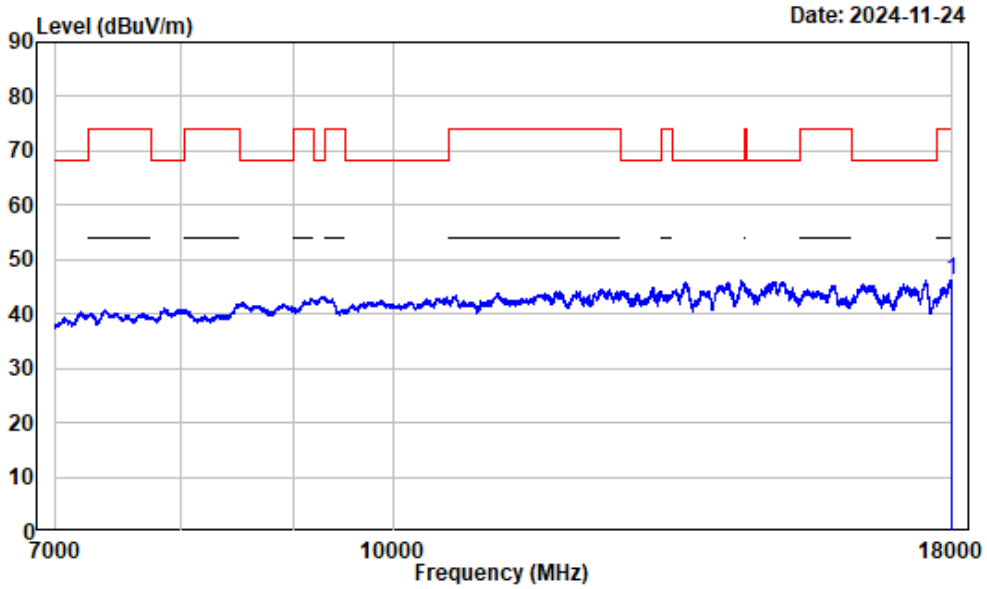
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	47.30	60.37	68.20	-7.83	Peak
2	17968.370	24.40	37.86	62.26	74.00	-11.74	Peak

7-18GHz_Horizontal_Average

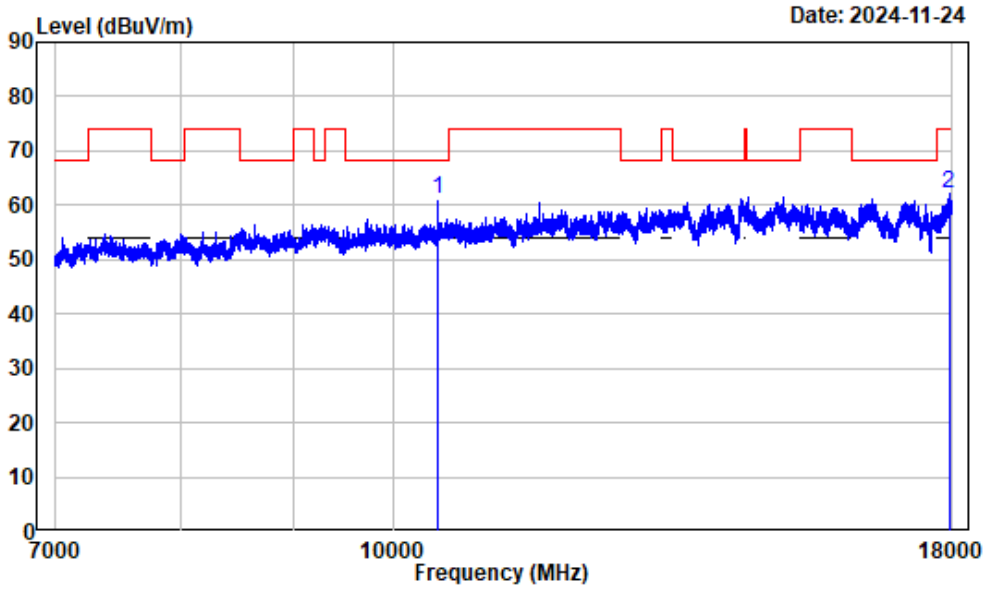


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17979.370	24.47	21.79	46.26	54.00	-7.74	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

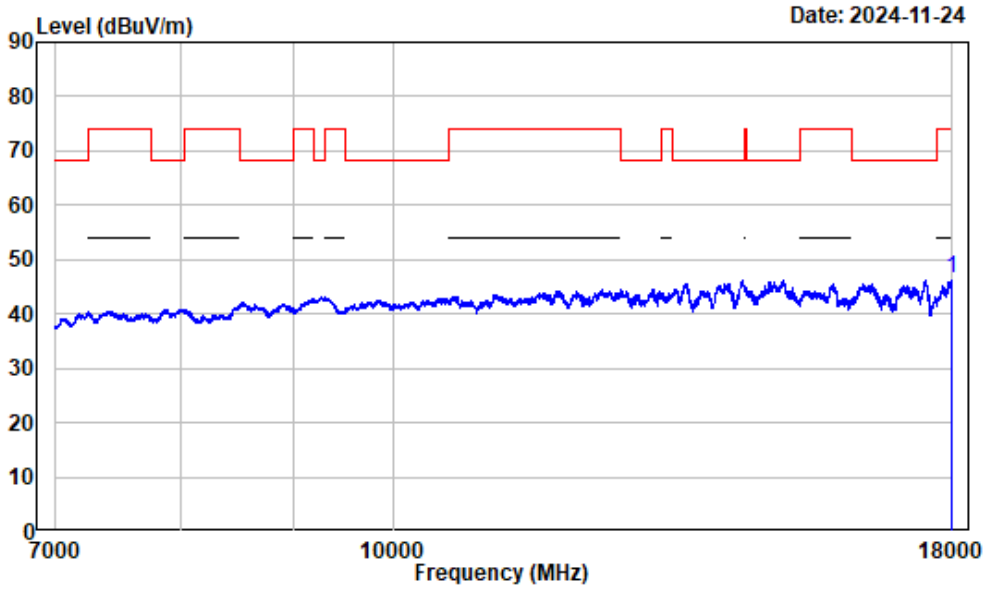
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	48.01	61.08	68.20	-7.12	Peak
2	17938.120	24.18	37.92	62.10	74.00	-11.90	Peak

7-18GHz_Vertical_Average

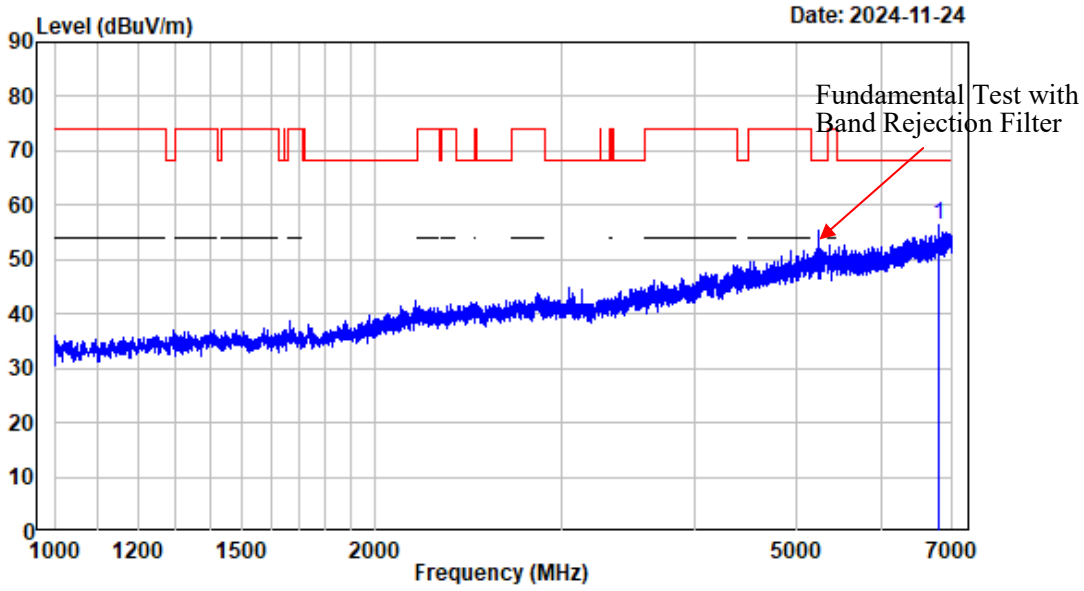


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-A-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17991.750	24.56	21.86	46.42	54.00	-7.58	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

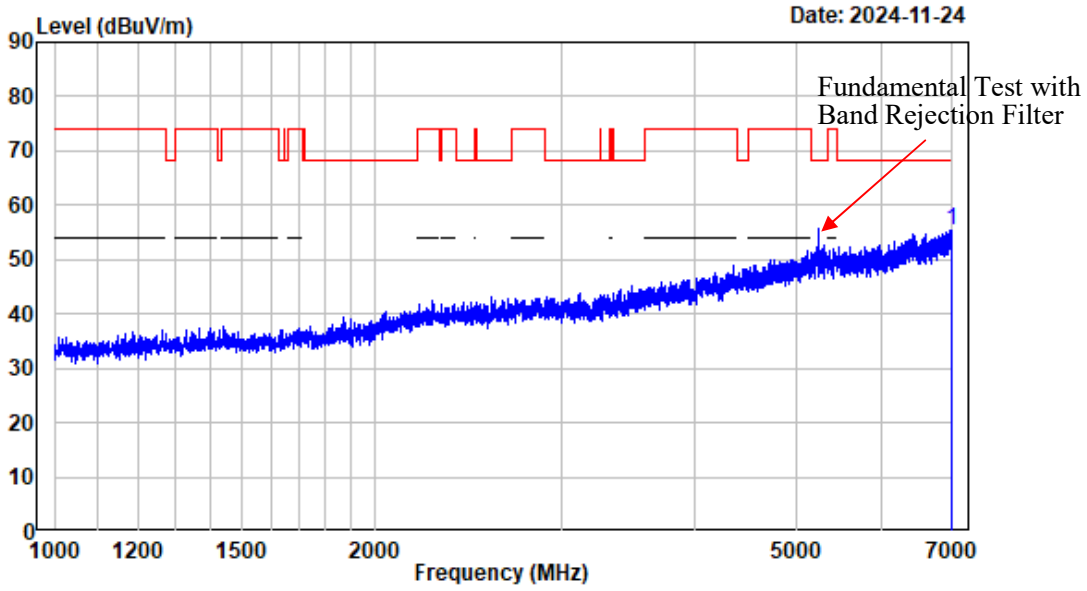
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6800.475	7.36	48.95	56.31	68.20	-11.89	Peak

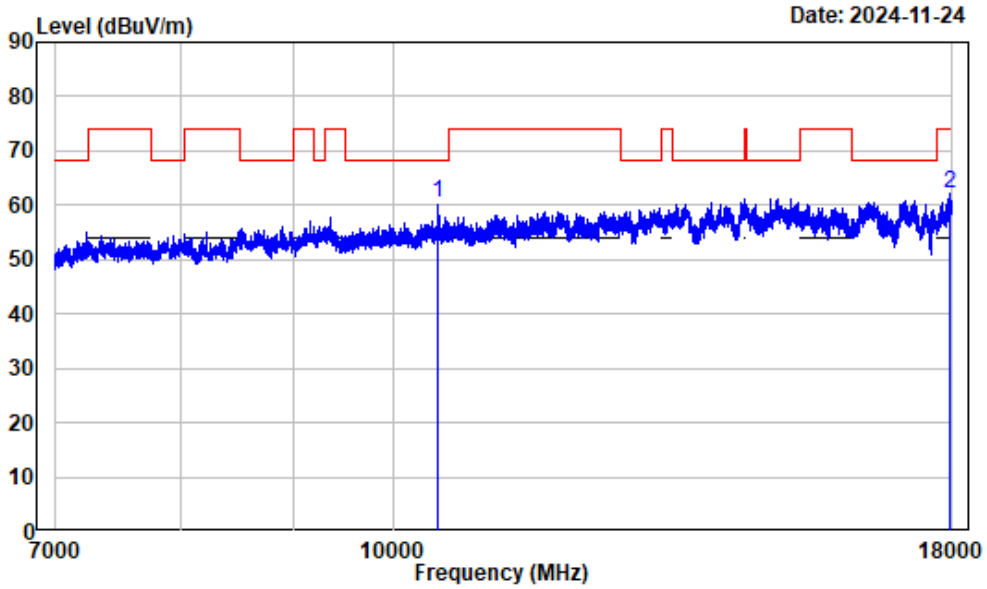
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6990.249	8.63	46.78	55.41	68.20	-12.79	Peak

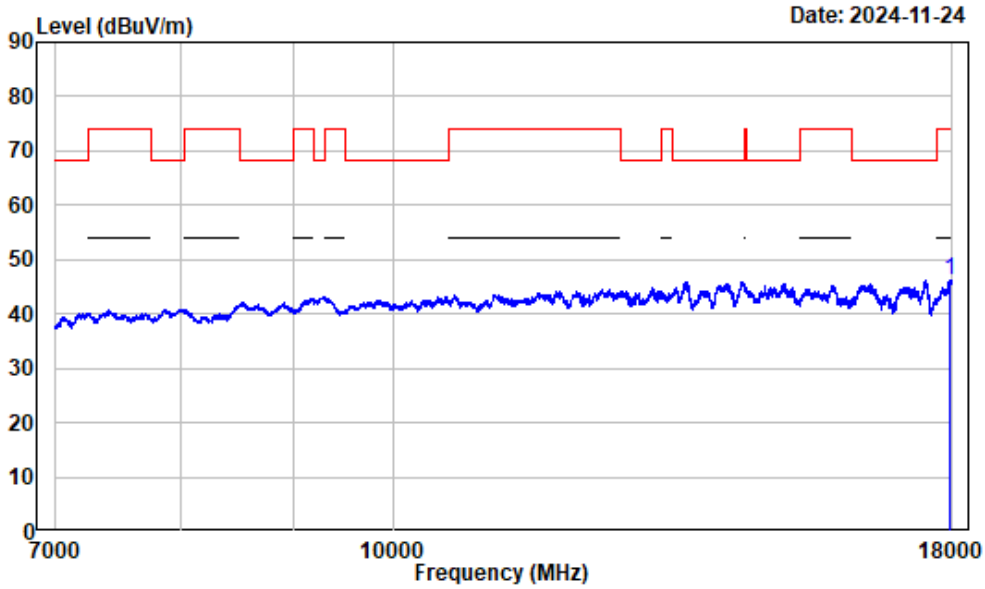
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	47.42	60.49	68.20	-7.71	Peak
2	17951.870	24.28	37.88	62.16	74.00	-11.84	Peak

7-18GHz_Horizontal_Average

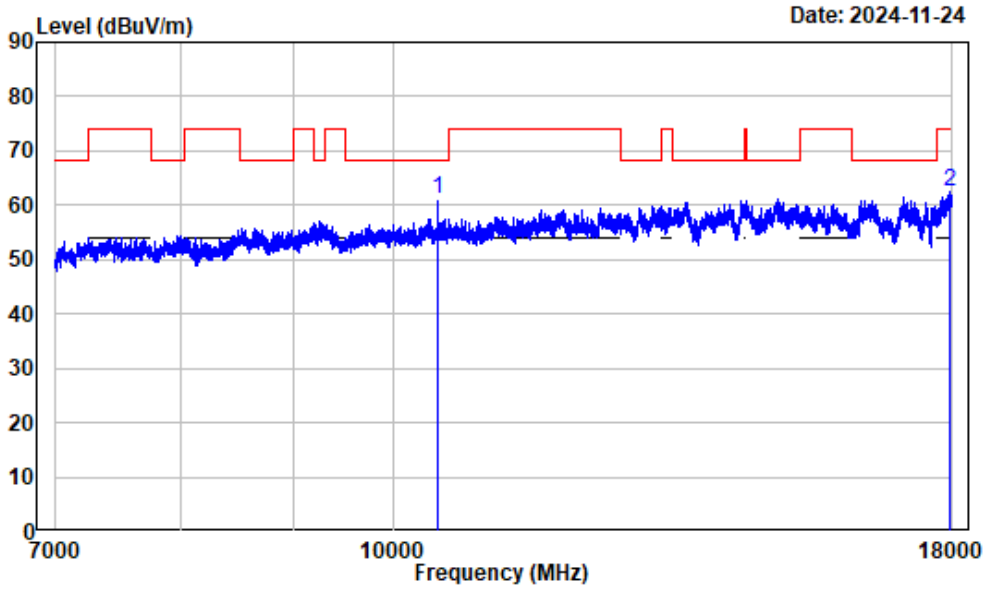


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17953.240	24.29	21.87	46.16	54.00	-7.84	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

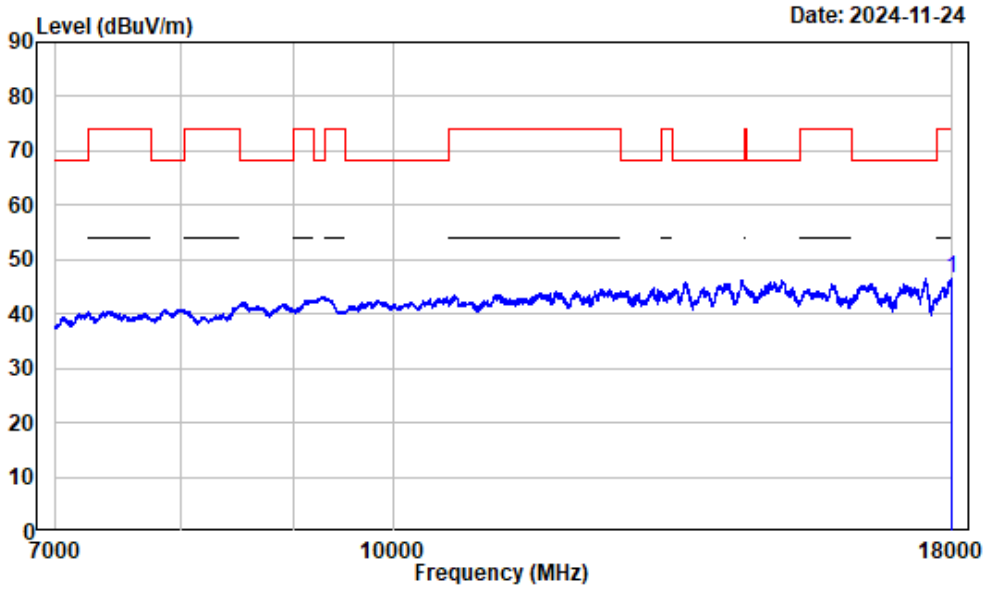
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	48.05	61.12	68.20	-7.08	Peak
2	17955.990	24.31	38.18	62.49	74.00	-11.51	Peak

7-18GHz_Vertical_Average

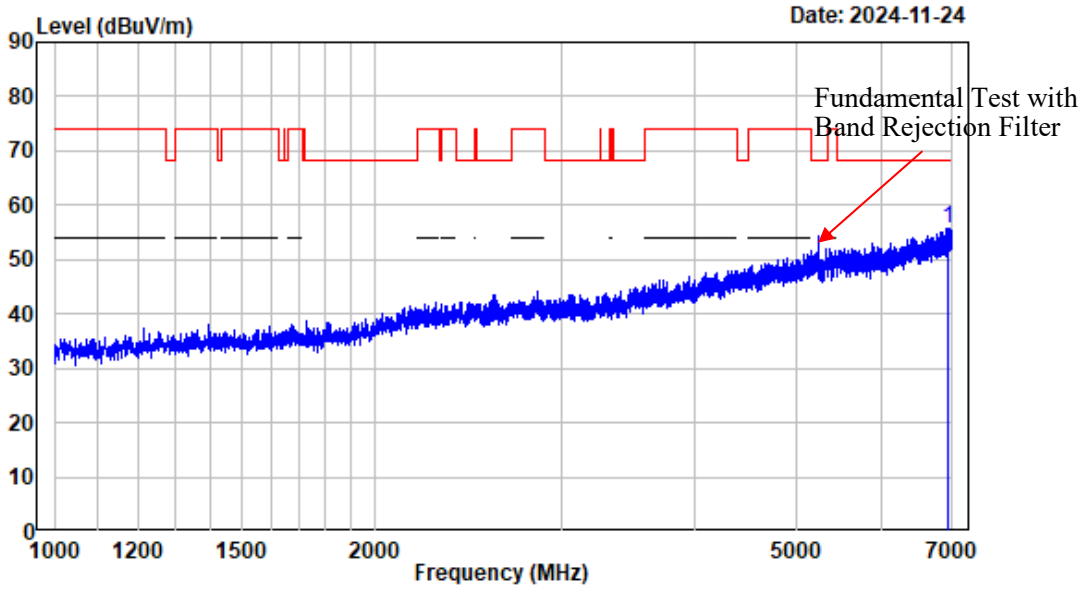


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17995.880	24.59	21.79	46.38	54.00	-7.62	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

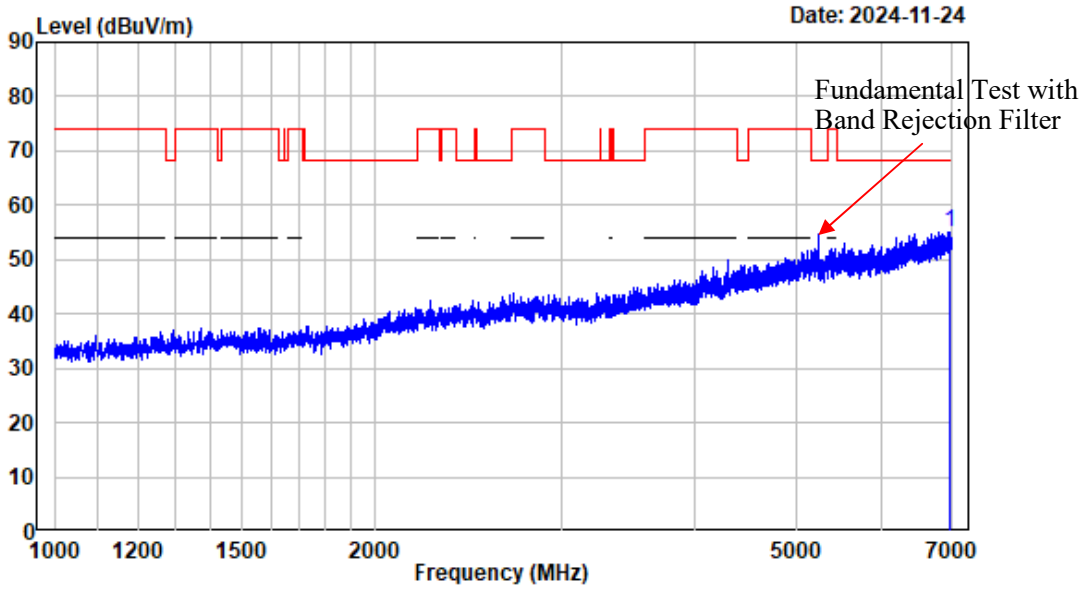
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6937.742	8.55	47.30	55.85	68.20	-12.35	Peak

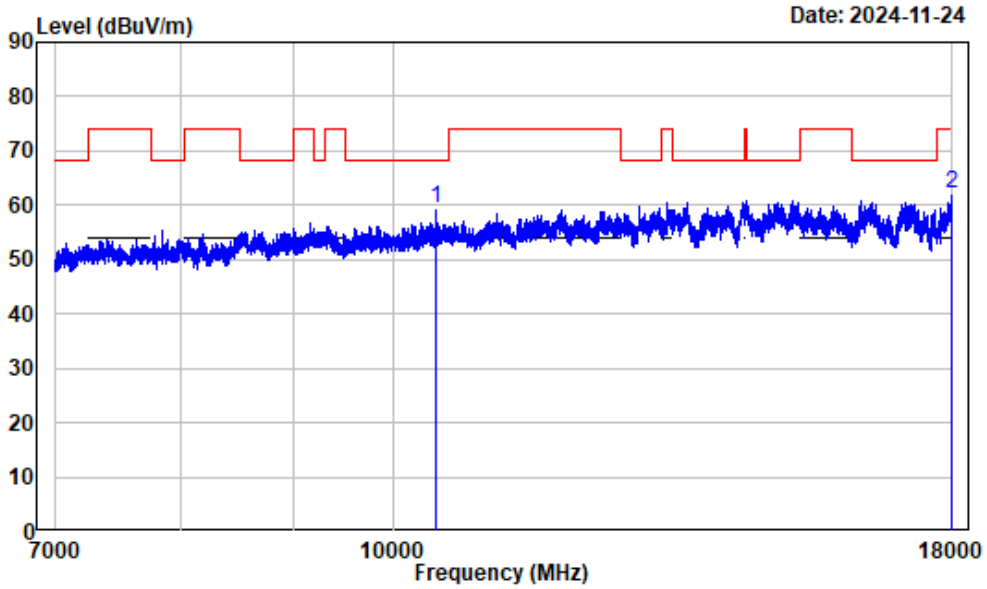
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6960.995	8.69	46.40	55.09	68.20	-13.11	Peak

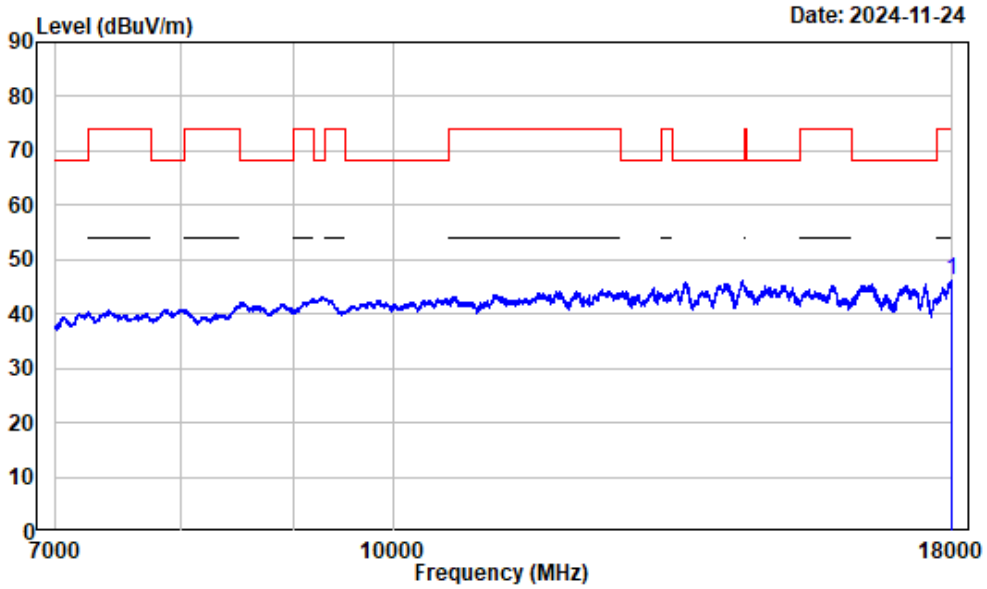
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	13.09	46.46	59.55	68.20	-8.65	Peak
2	17986.250	24.52	37.50	62.02	74.00	-11.98	Peak

7-18GHz_Horizontal_Average

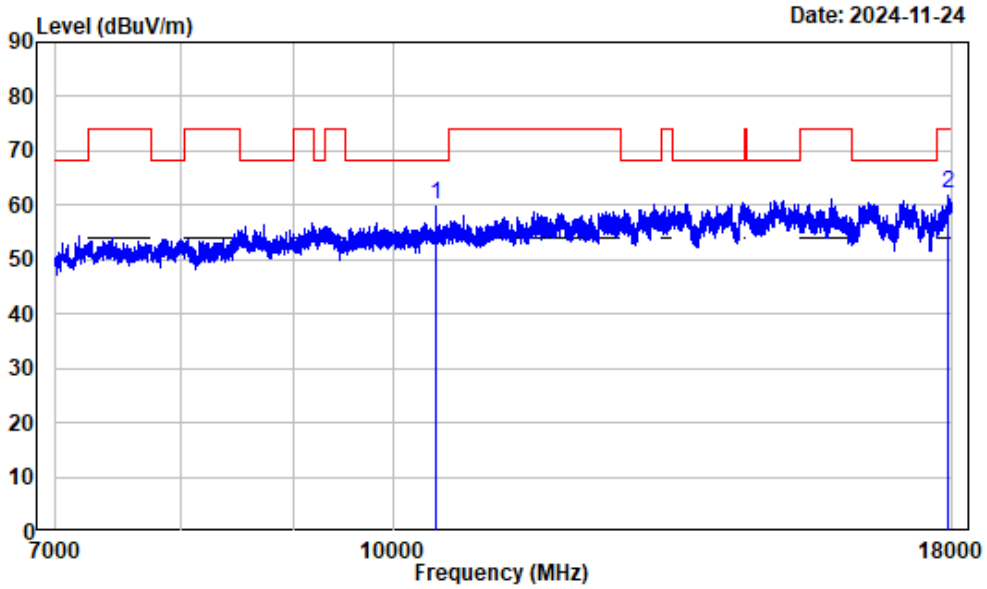


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17995.880	24.59	21.55	46.14	54.00	-7.86	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

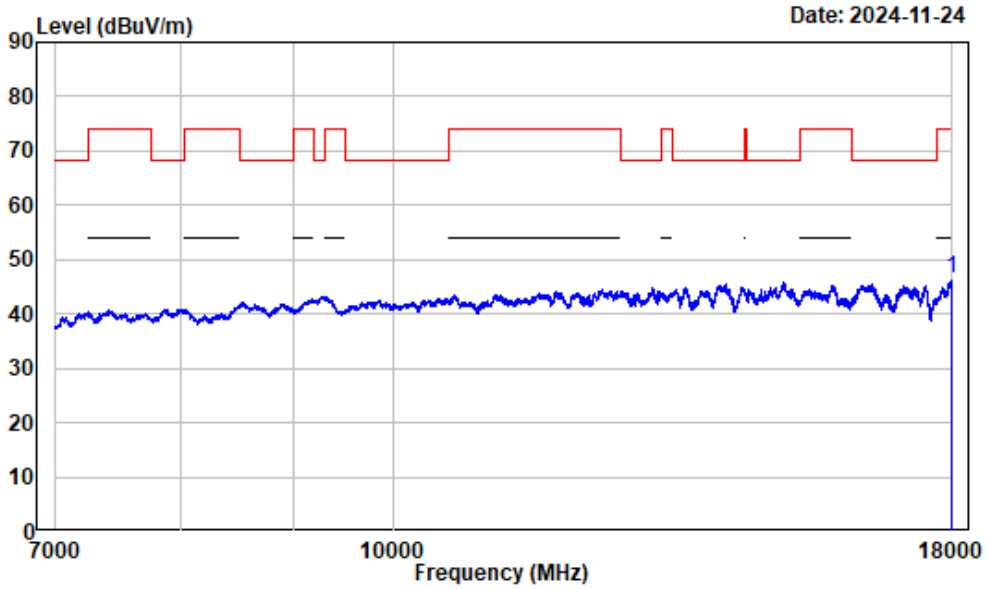
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	13.09	46.90	59.99	68.20	-8.21	Peak
2	17935.370	24.16	38.08	62.24	74.00	-11.76	Peak

7-18GHz_Vertical_Average

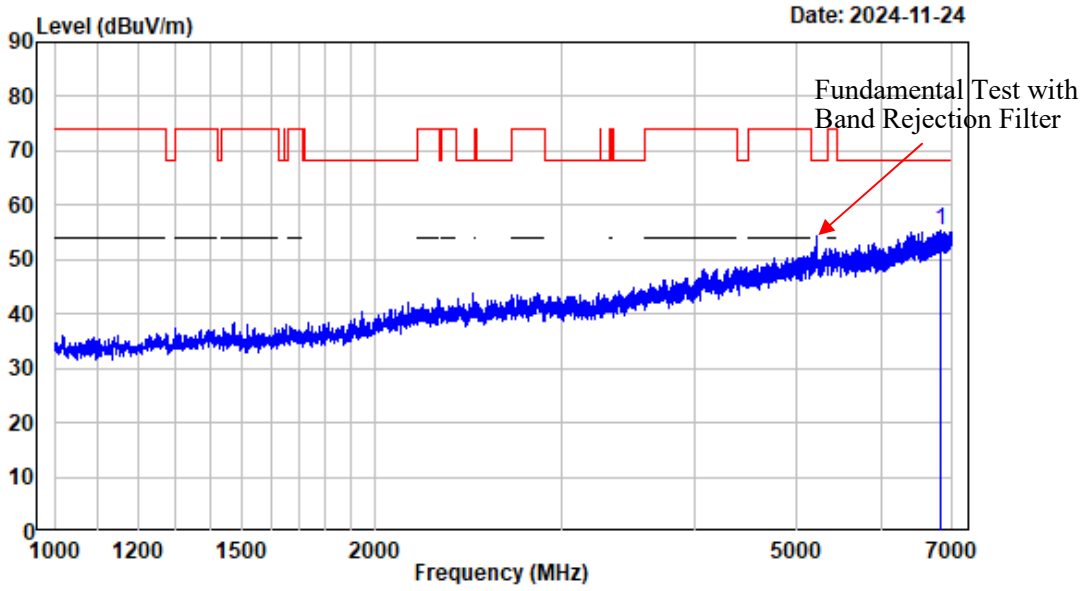


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17998.630	24.61	21.78	46.39	54.00	-7.61	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

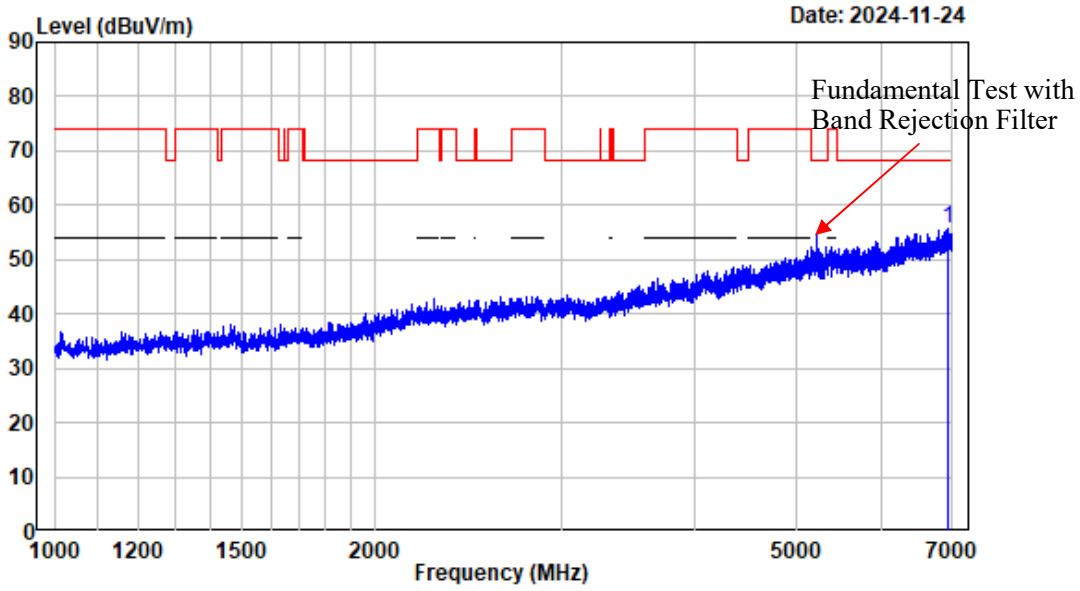
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6837.229	7.74	47.71	55.45	68.20	-12.75	Peak

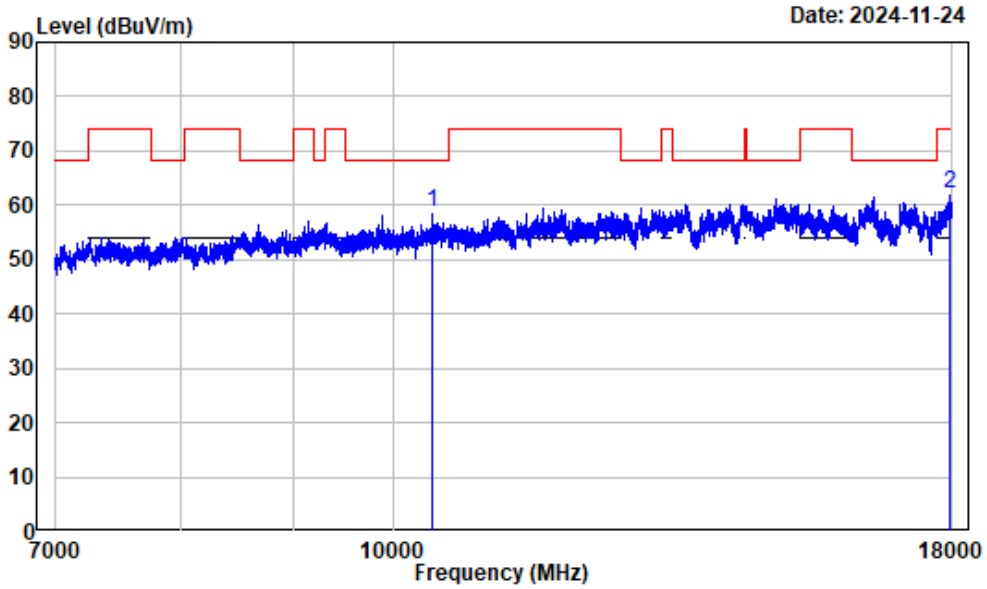
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6949.744	8.70	47.16	55.86	68.20	-12.34	Peak

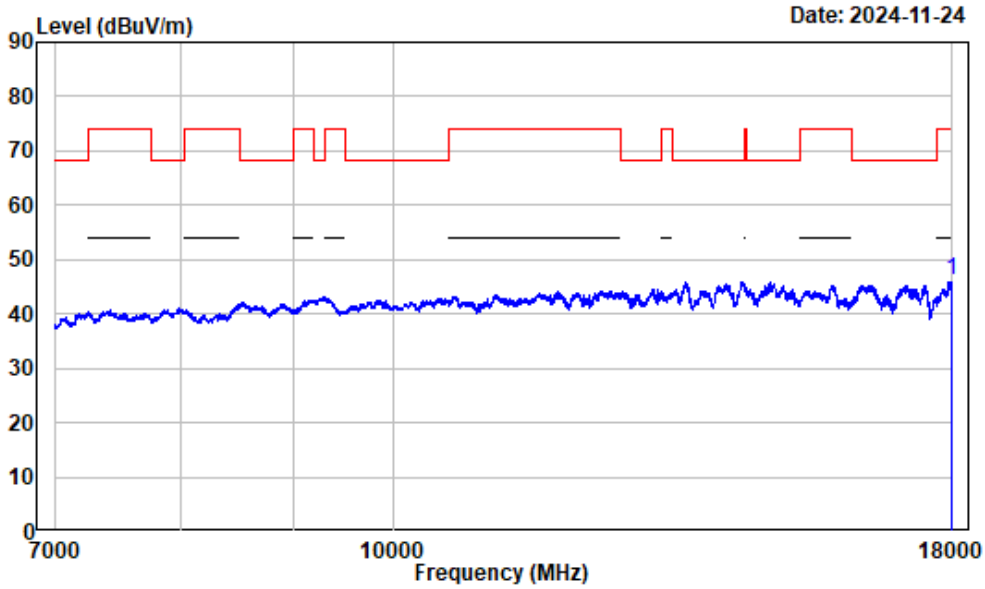
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	45.68	58.80	68.20	-9.40	Peak
2	17946.370	24.23	37.84	62.07	74.00	-11.93	Peak

7-18GHz_Horizontal_Average

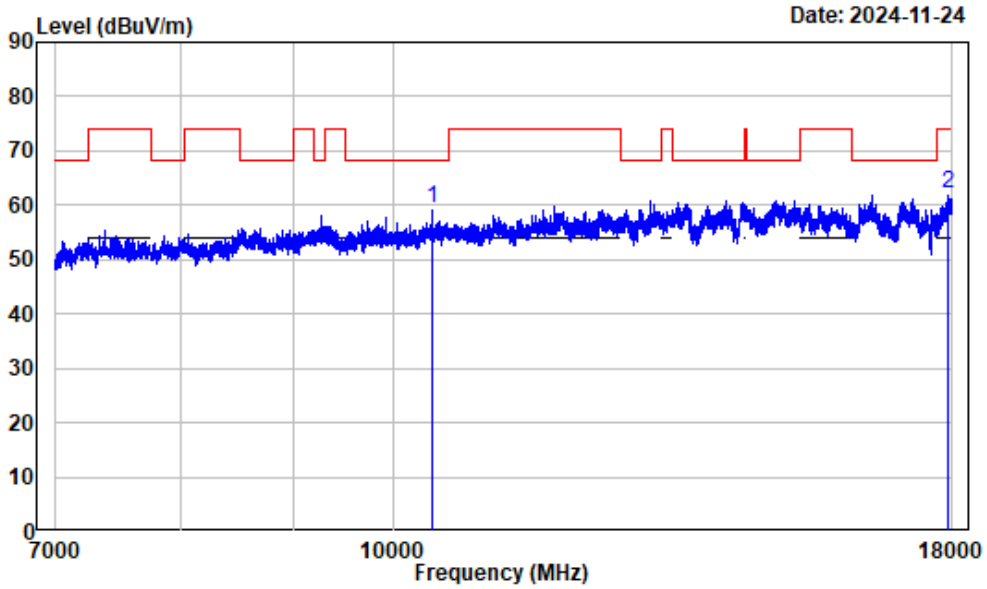


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17998.110	24.61	21.47	46.08	54.00	-7.92	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

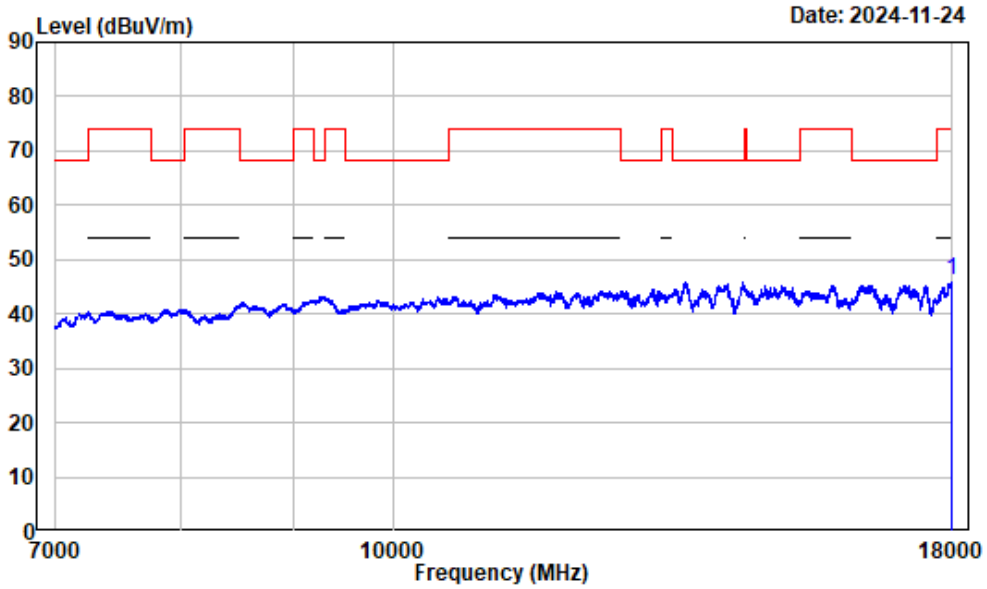
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	46.23	59.35	68.20	-8.85	Peak
2	17931.240	24.13	38.17	62.30	74.00	-11.70	Peak

7-18GHz_Vertical_Average

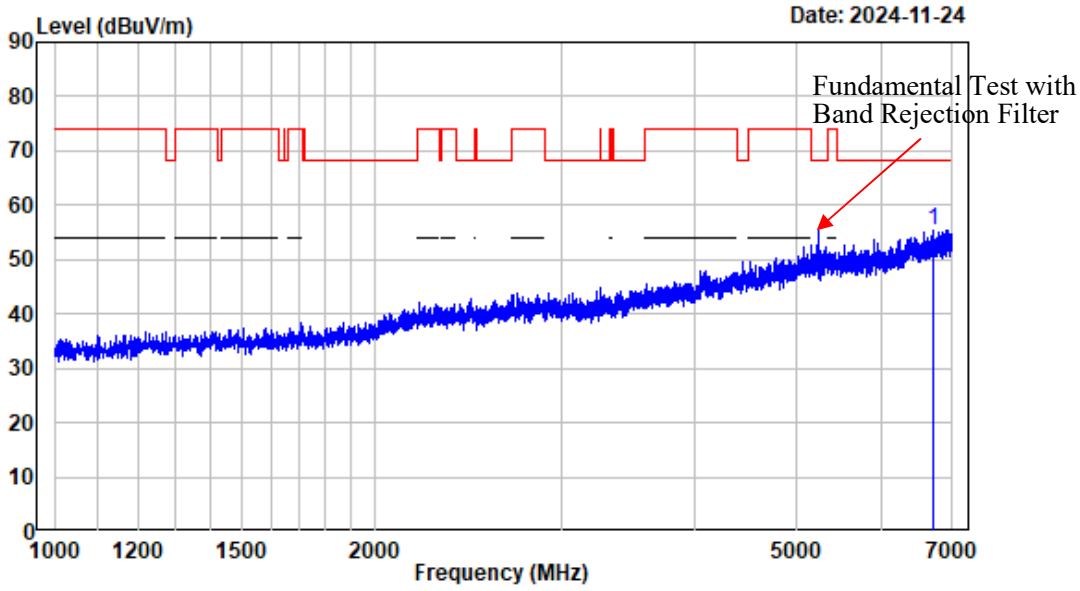


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AC80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17995.880	24.59	21.76	46.35	54.00	-7.65	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

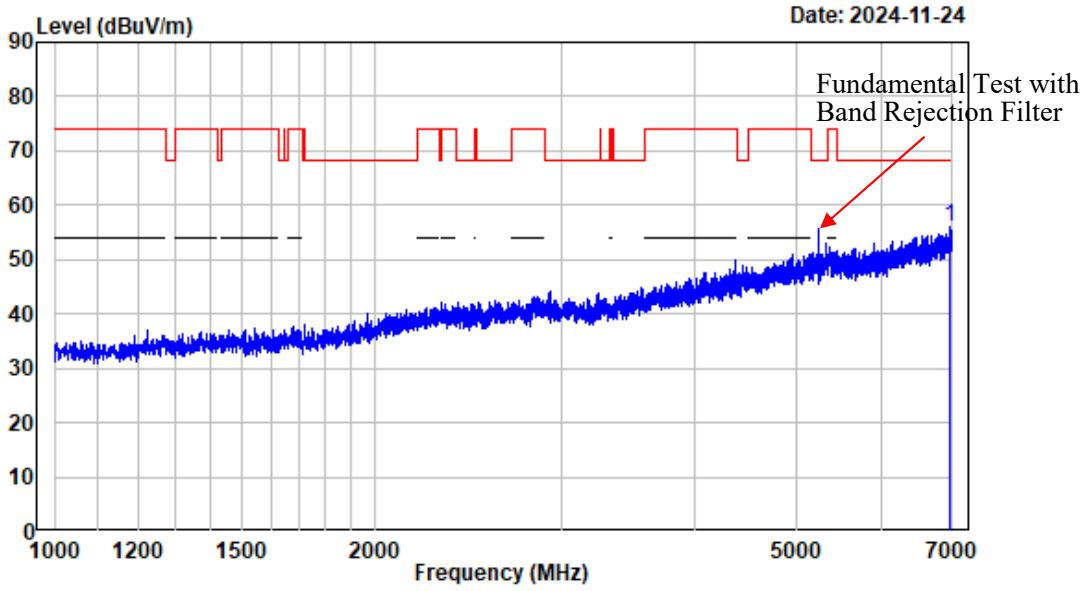
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6712.714	7.11	48.40	55.51	68.20	-12.69	Peak

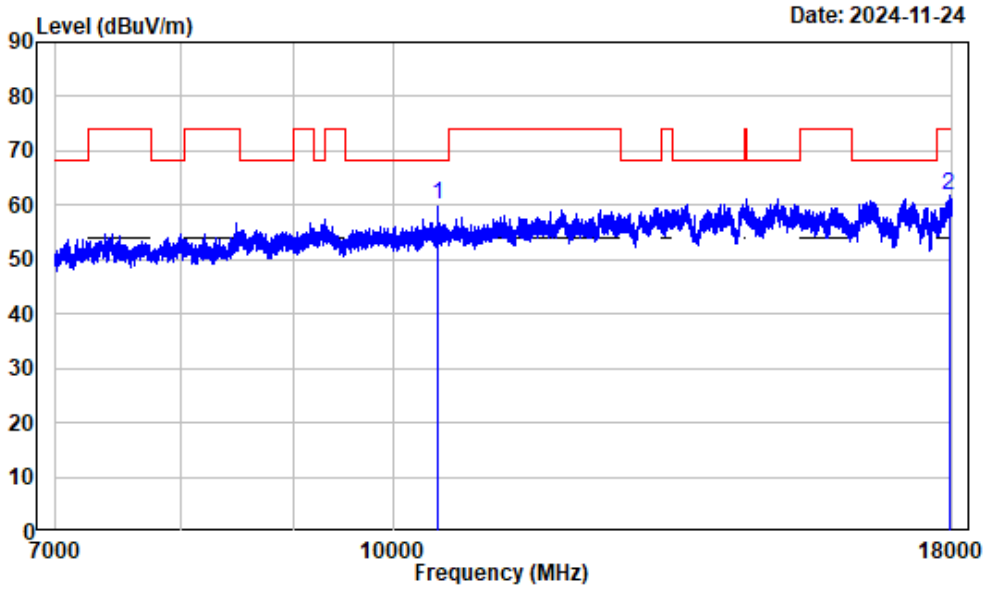
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6959.495	8.68	47.41	56.09	68.20	-12.11	Peak

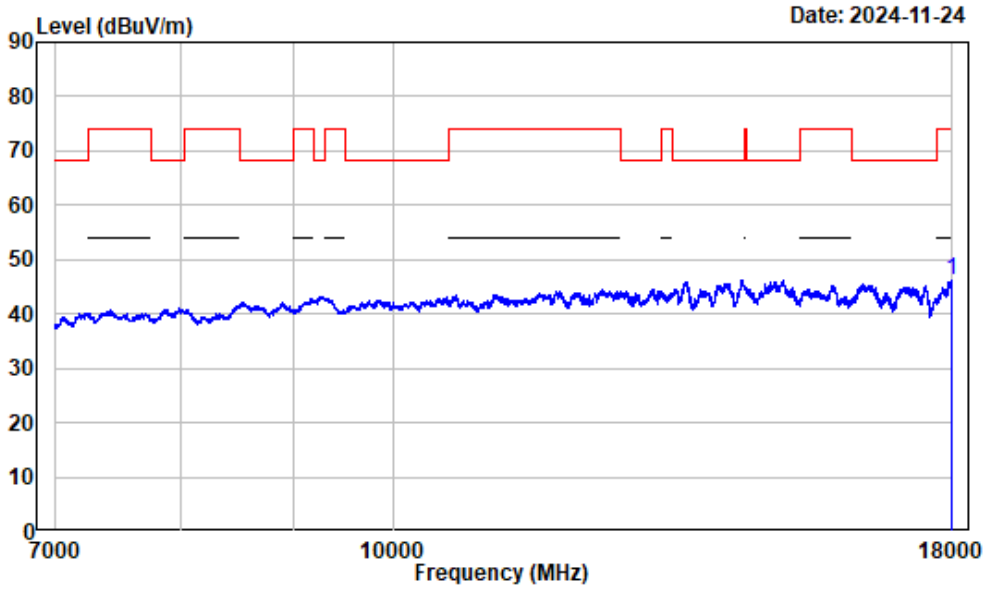
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	47.15	60.22	68.20	-7.98	Peak
2	17938.120	24.18	37.80	61.98	74.00	-12.02	Peak

7-18GHz_Horizontal_Average

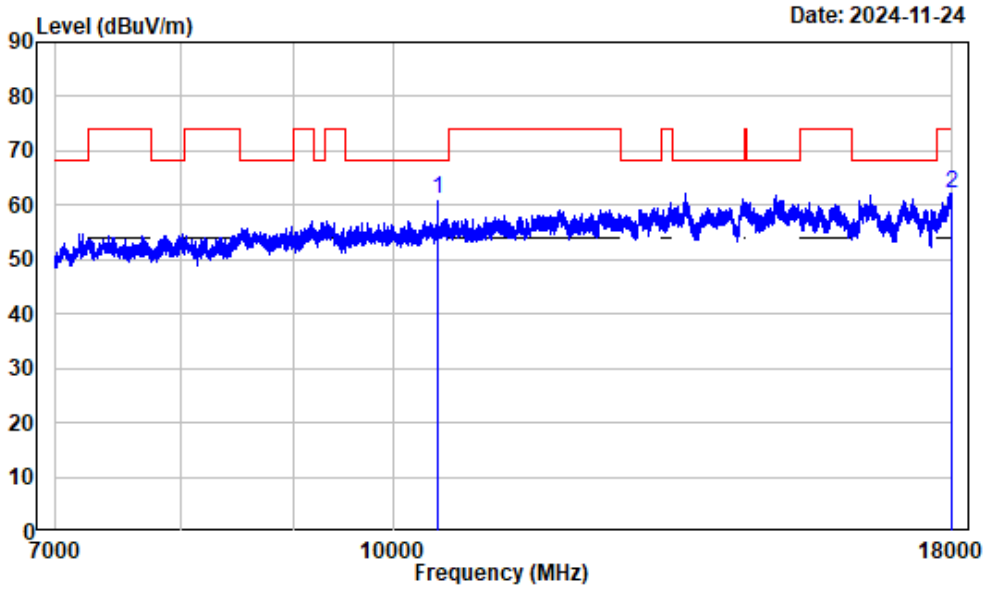


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17995.050	24.59	21.60	46.19	54.00	-7.81	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

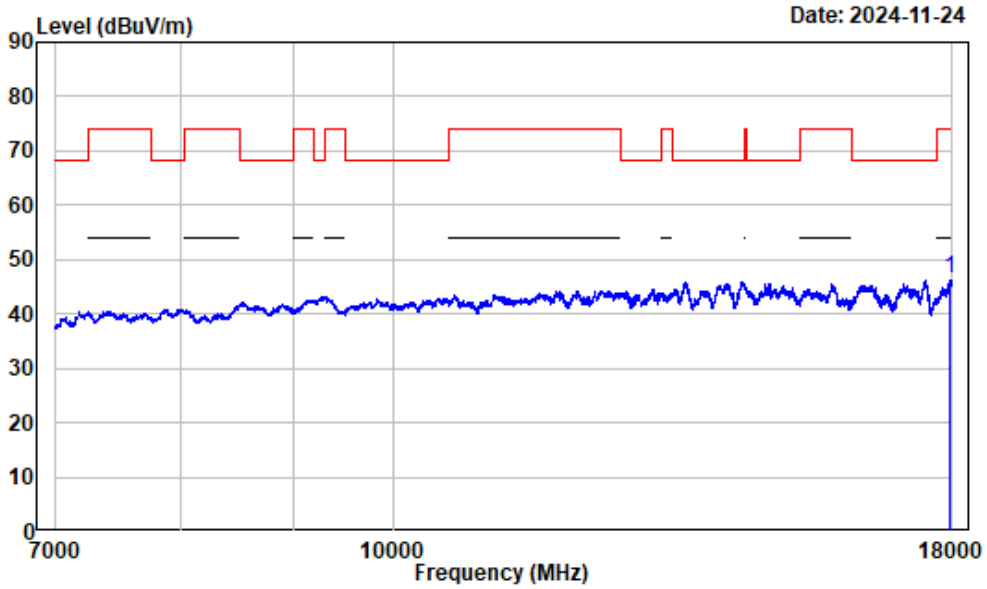
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10480.000	13.07	47.96	61.03	68.20	-7.17	Peak
2	17986.250	24.52	37.60	62.12	74.00	-11.88	Peak

7-18GHz_Vertical_Average

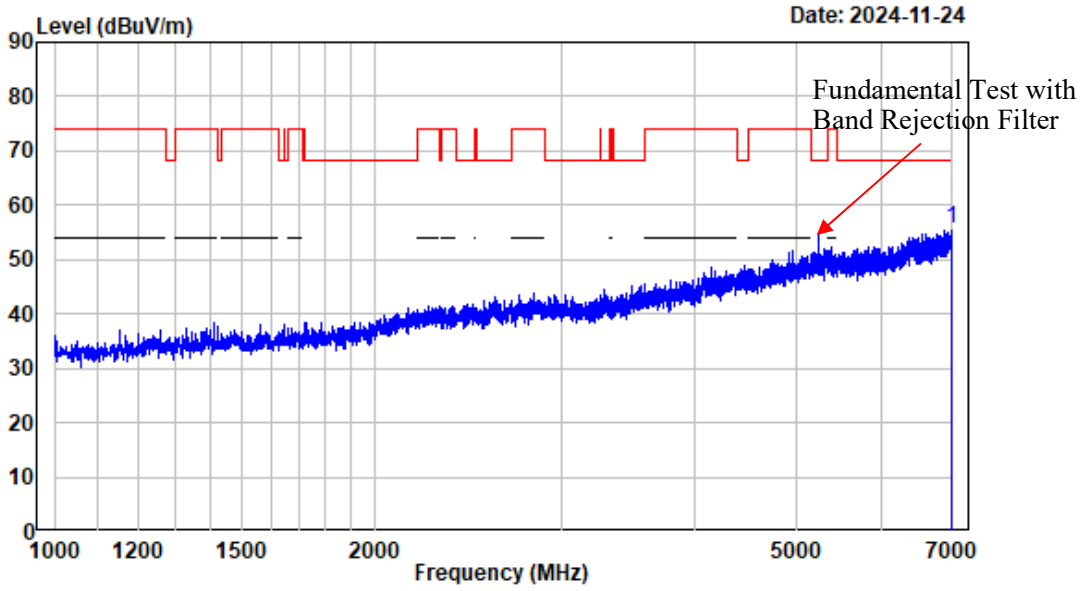


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX20-5240

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17953.240	24.29	22.15	46.44	54.00	-7.56	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

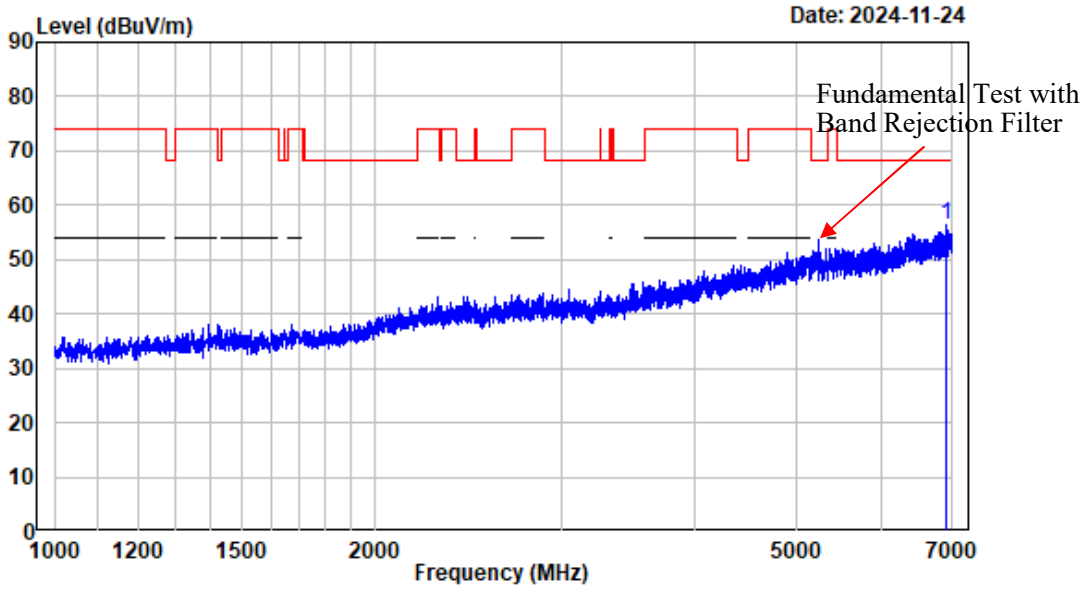
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6990.580	8.61	47.07	55.68	68.20	-12.52	Peak

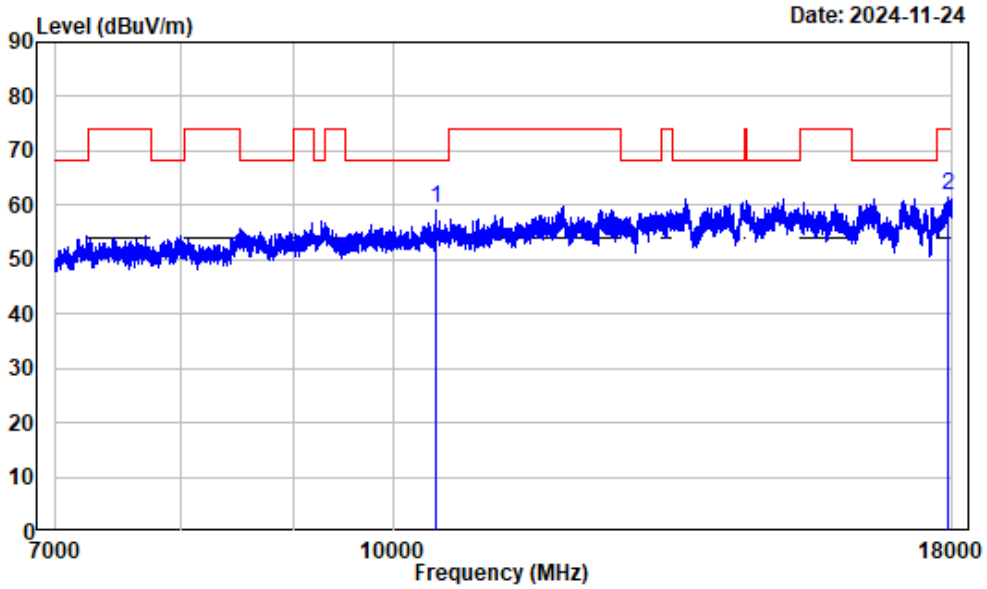
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6902.488	8.11	48.35	56.46	68.20	-11.74	Peak

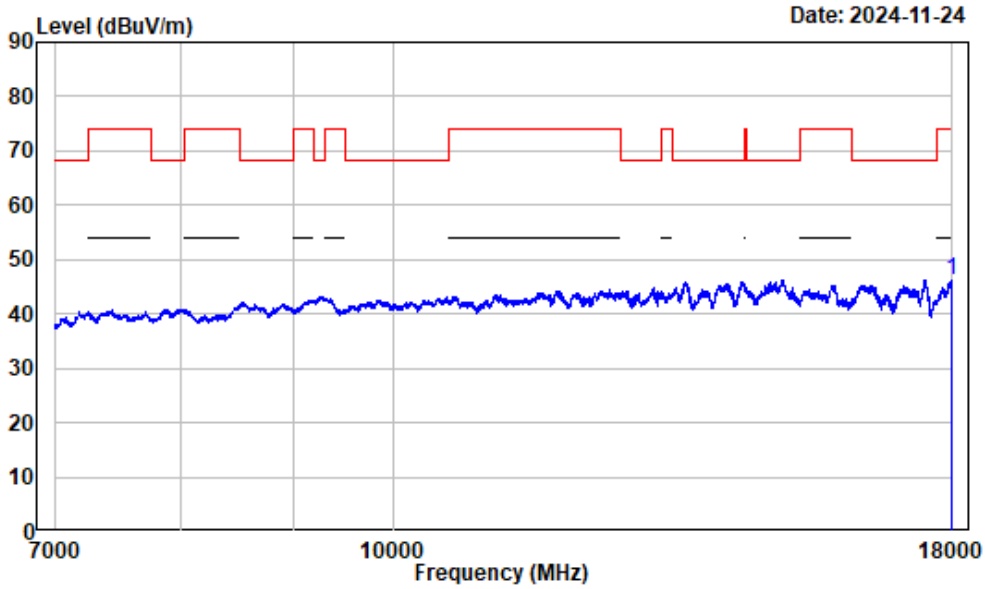
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	13.09	46.39	59.48	68.20	-8.72	Peak
2	17931.240	24.13	37.83	61.96	74.00	-12.04	Peak

7-18GHz_Horizontal_Average

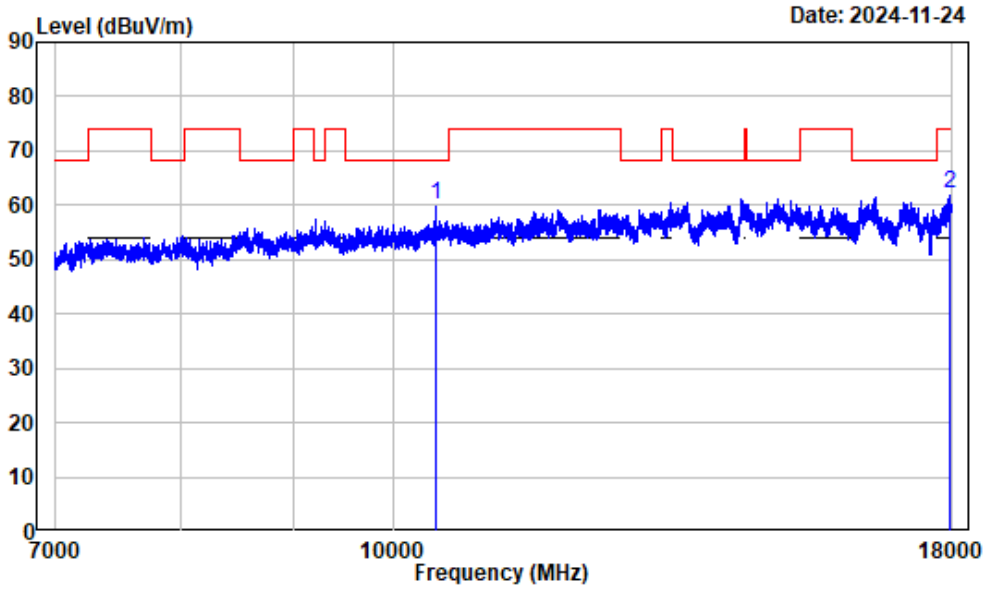


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17998.630	24.61	21.54	46.15	54.00	-7.85	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

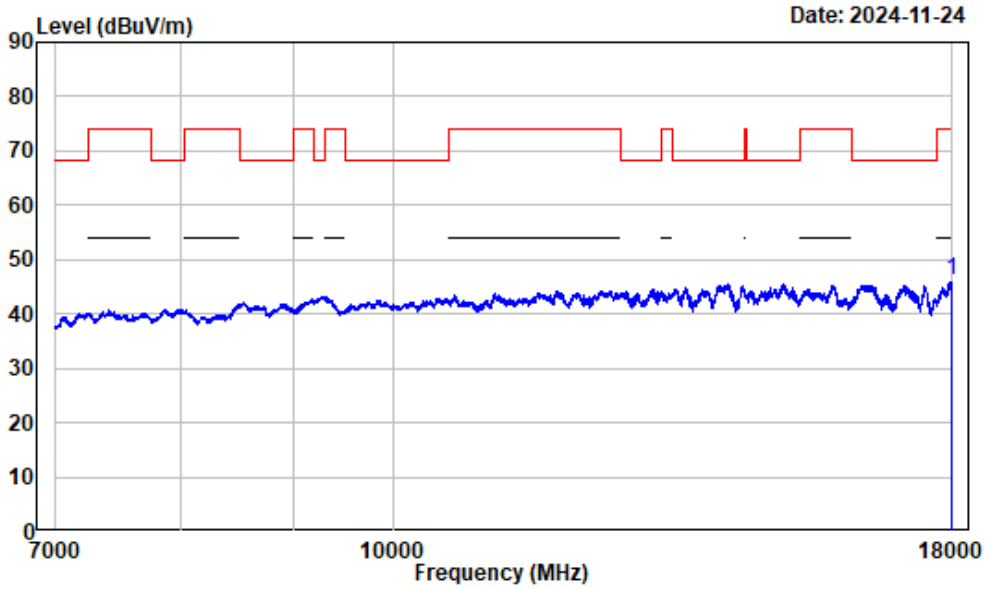
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10460.000	13.09	46.86	59.95	68.20	-8.25	Peak
2	17947.740	24.24	37.93	62.17	74.00	-11.83	Peak

7-18GHz_Vertical_Average

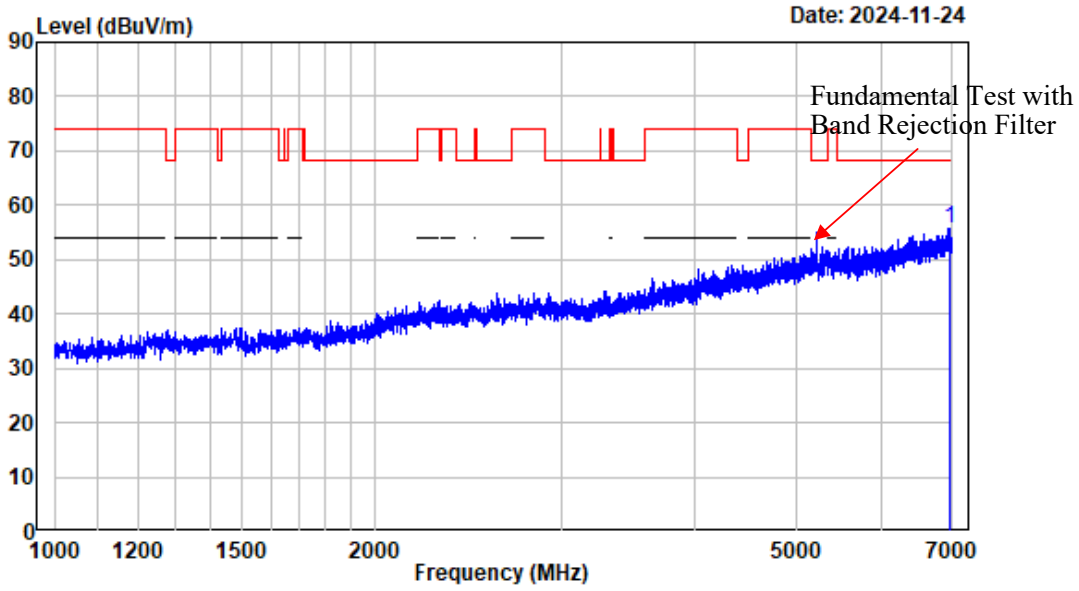


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX40-5230

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17989.000	24.54	21.75	46.29	54.00	-7.71	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

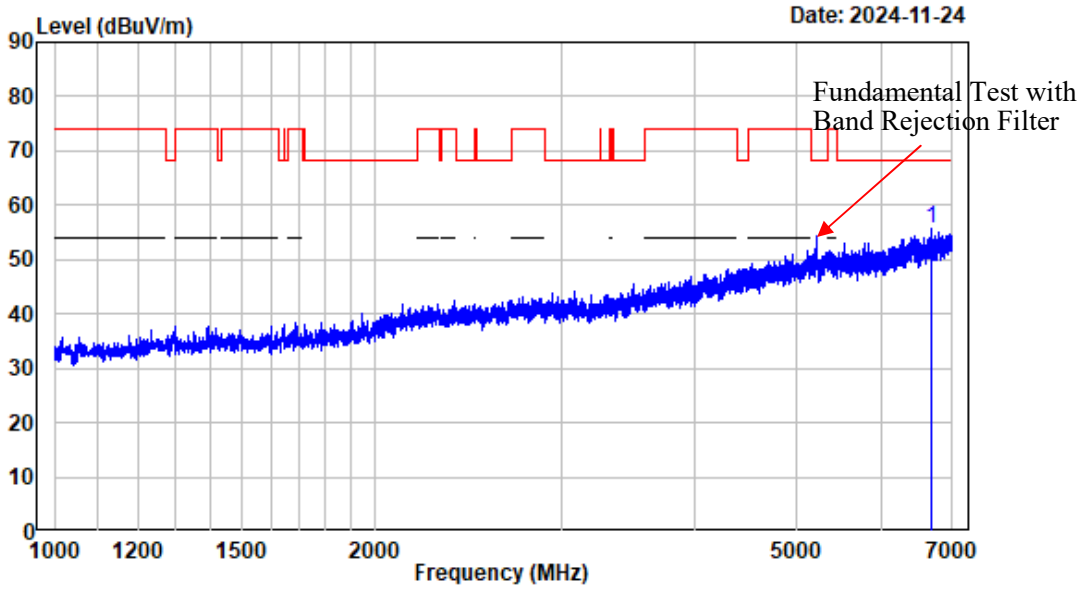
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6969.246	8.66	47.08	55.74	68.20	-12.46	Peak

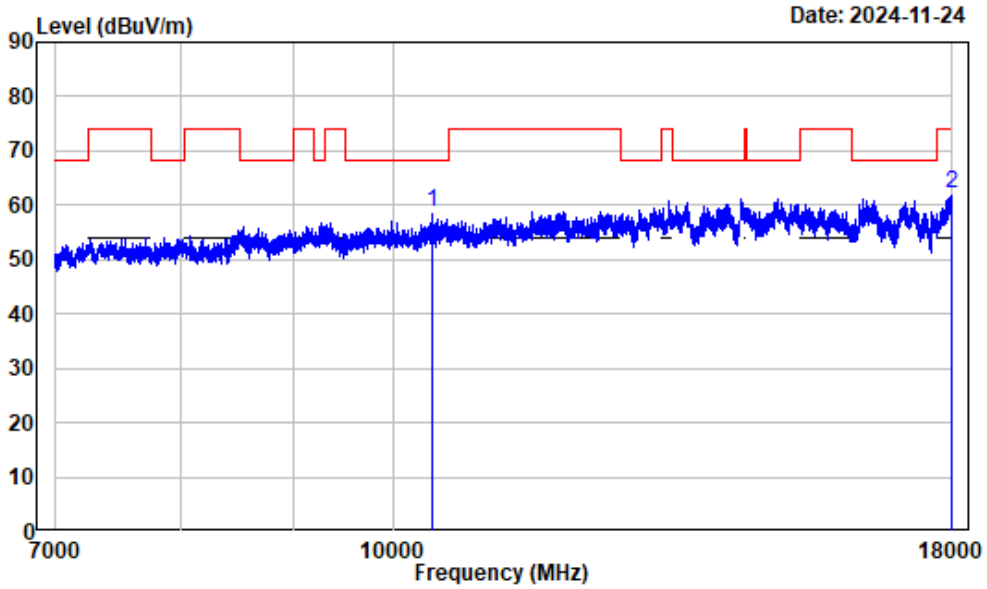
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6684.210	7.06	48.62	55.68	68.20	-12.52	Peak

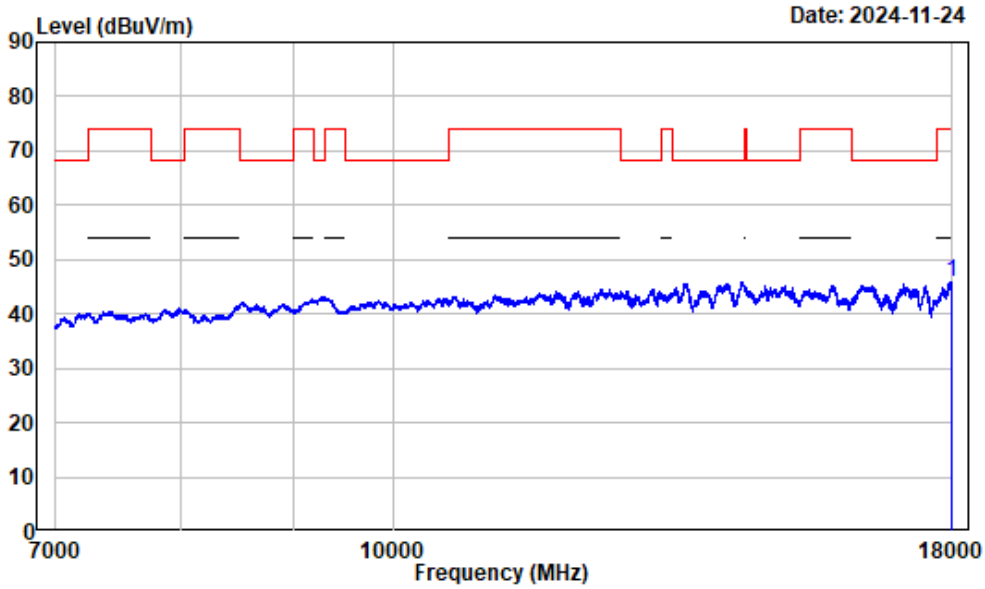
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	45.56	58.68	68.20	-9.52	Peak
2	17984.870	24.51	37.48	61.99	74.00	-12.01	Peak

7-18GHz_Horizontal_Average

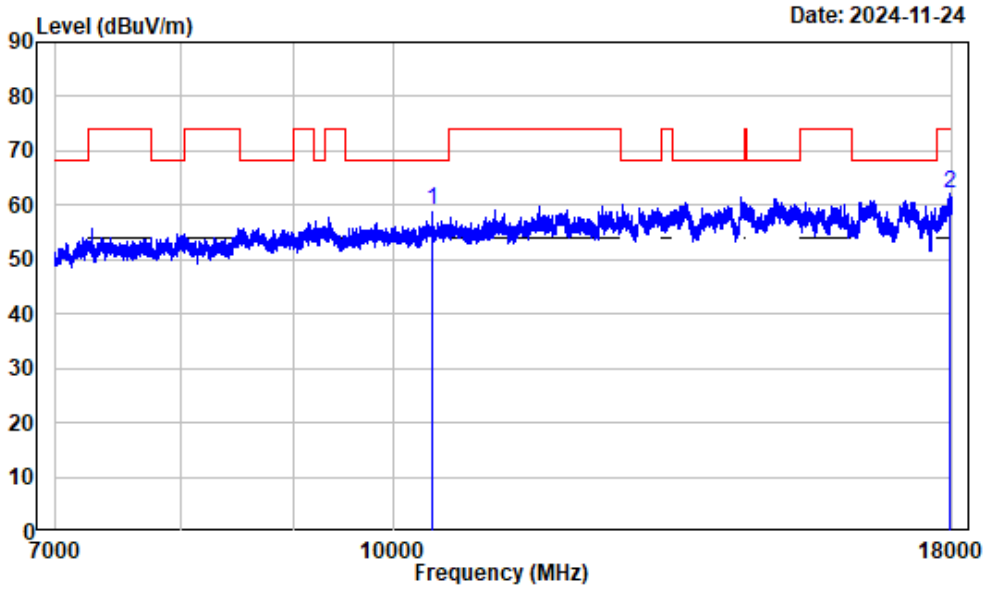


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17996.640	24.59	21.36	45.95	54.00	-8.05	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

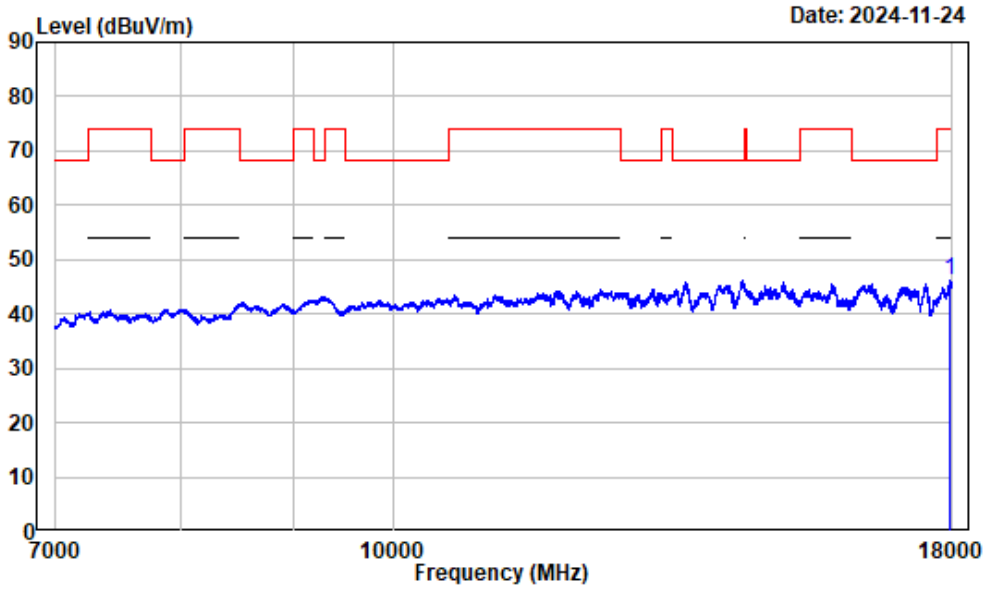
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10420.000	13.12	46.09	59.21	68.20	-8.99	Peak
2	17942.240	24.21	37.99	62.20	74.00	-11.80	Peak

7-18GHz_Vertical_Average

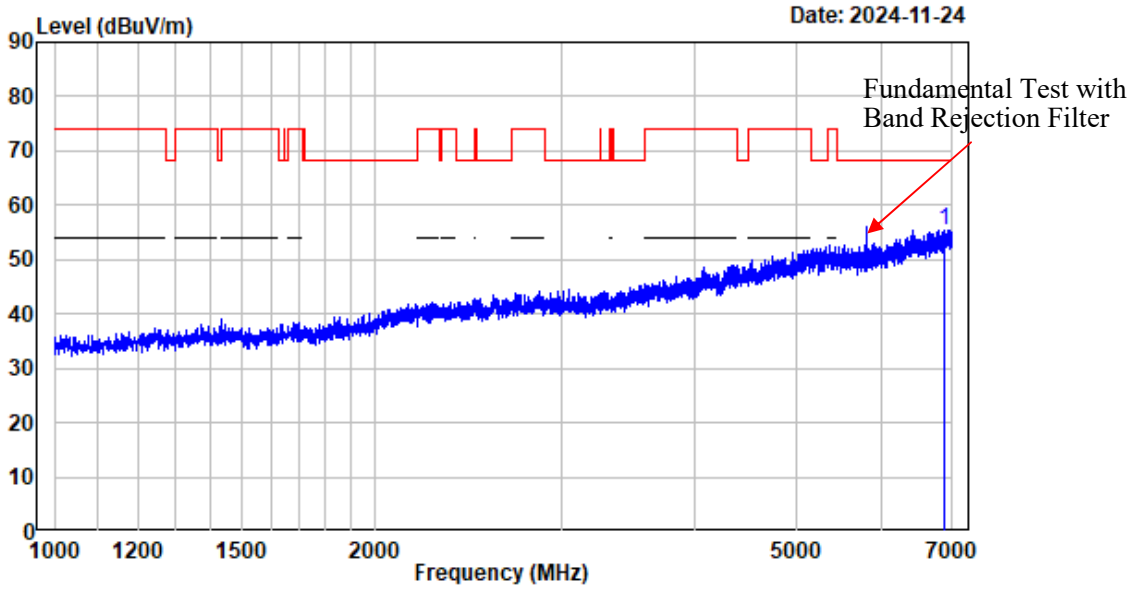


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band1-AX80-5210

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17943.620	24.22	21.89	46.11	54.00	-7.89	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

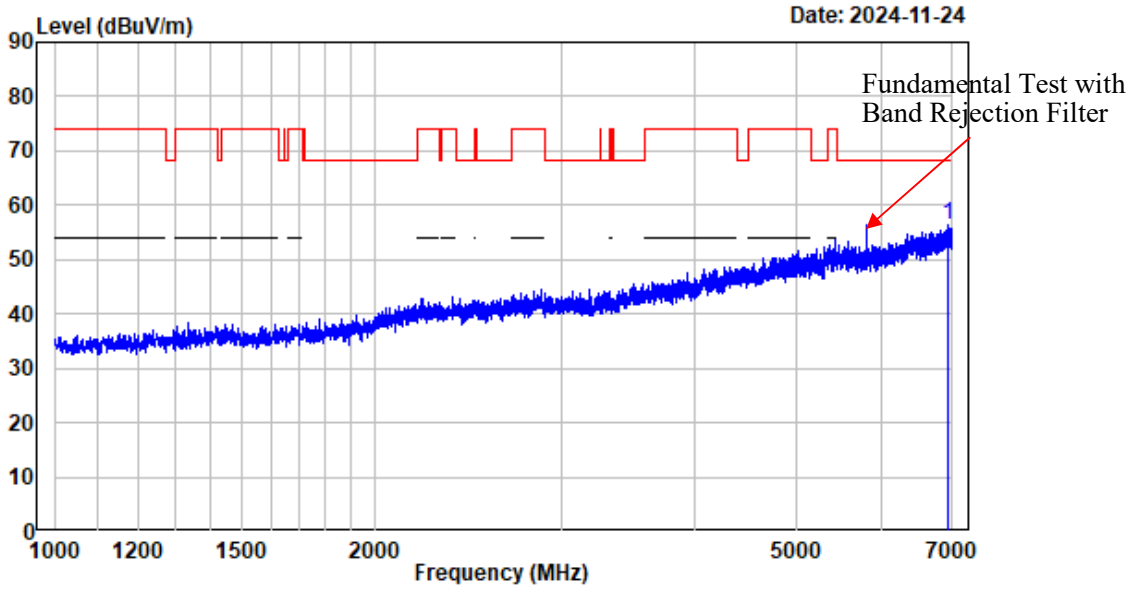
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6883.735	8.02	47.46	55.48	68.20	-12.72	Peak

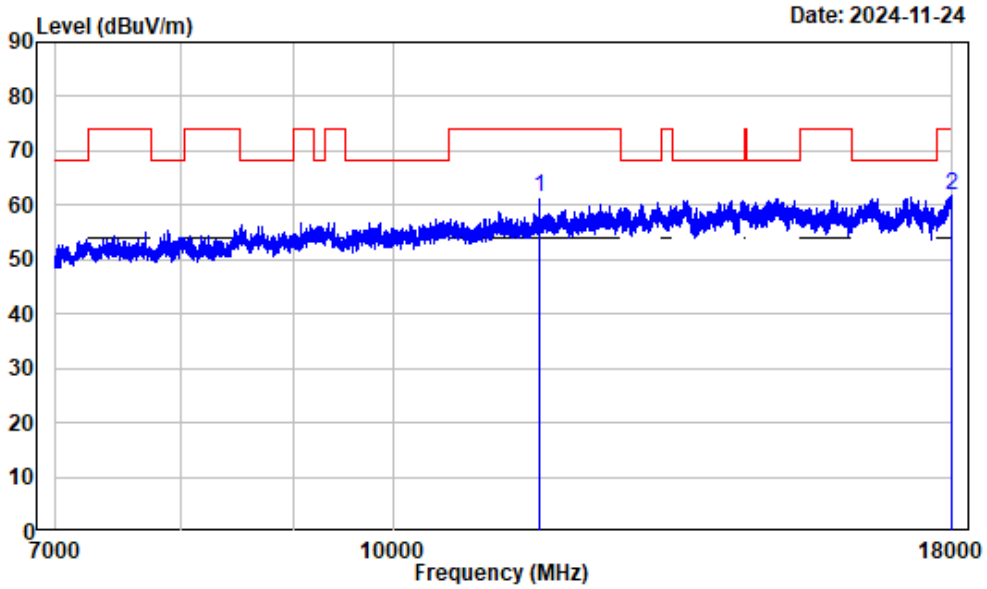
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6946.743	8.66	47.55	56.21	68.20	-11.99	Peak

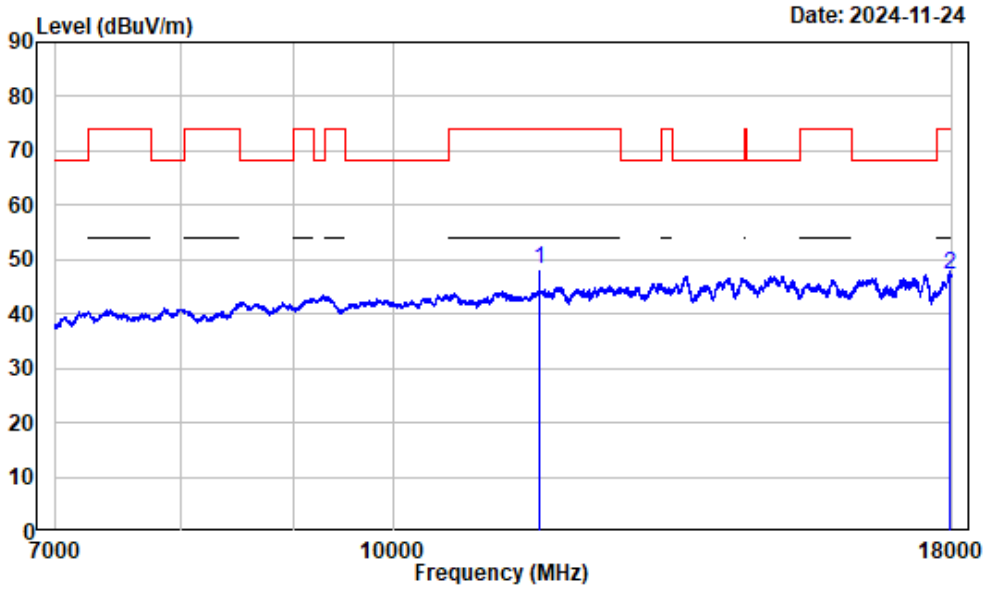
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	47.63	61.46	74.00	-12.54	Peak
2	17998.630	24.61	37.04	61.65	74.00	-12.35	Peak

7-18GHz_Horizontal_Average

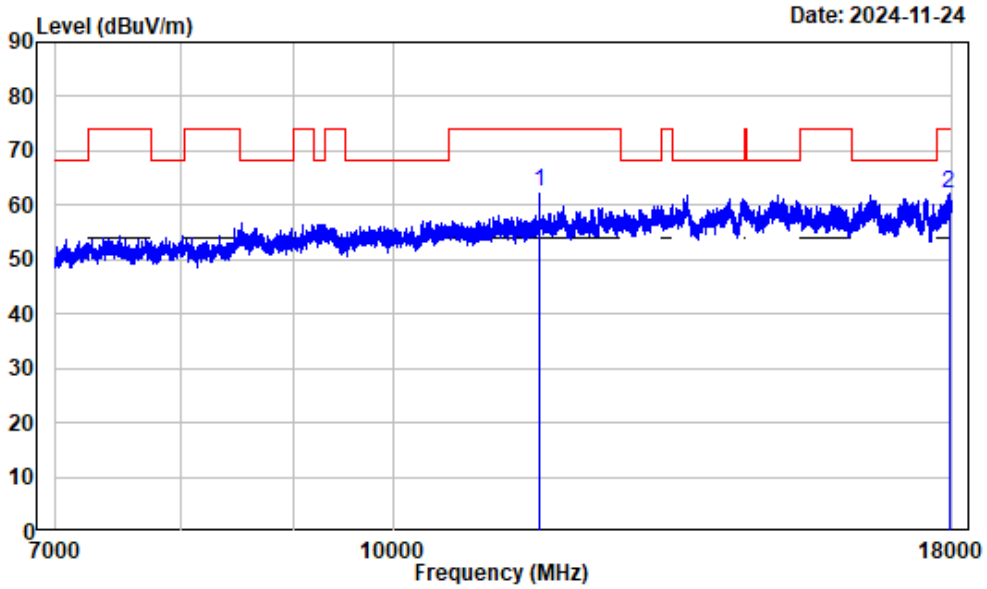


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.56	48.39	54.00	-5.61	Average
2	17943.620	24.22	23.06	47.28	54.00	-6.72	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

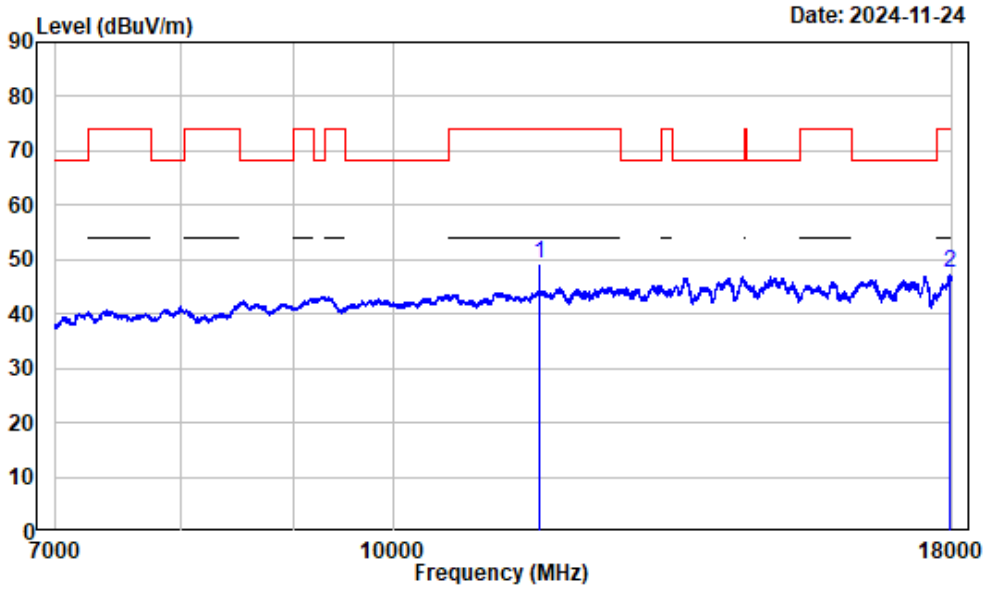
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	48.78	62.61	74.00	-11.39	Peak
2	17938.120	24.18	37.90	62.08	74.00	-11.92	Peak

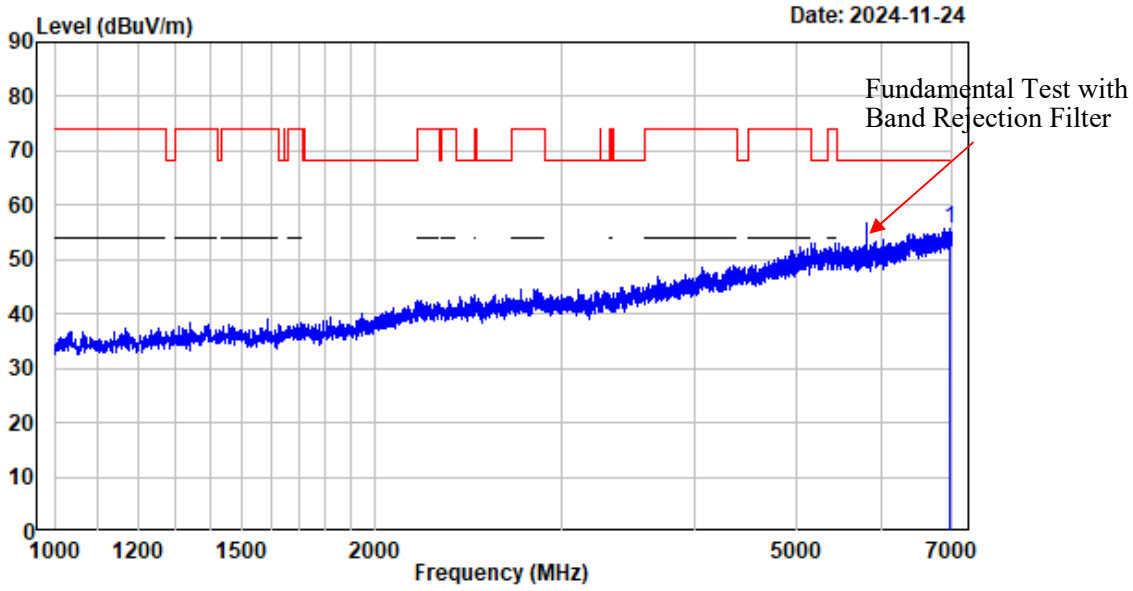
7-18GHz_Vertical_Average



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	35.30	49.13	54.00	-4.87	Average
2	17939.490	24.19	23.39	47.58	54.00	-6.42	Average

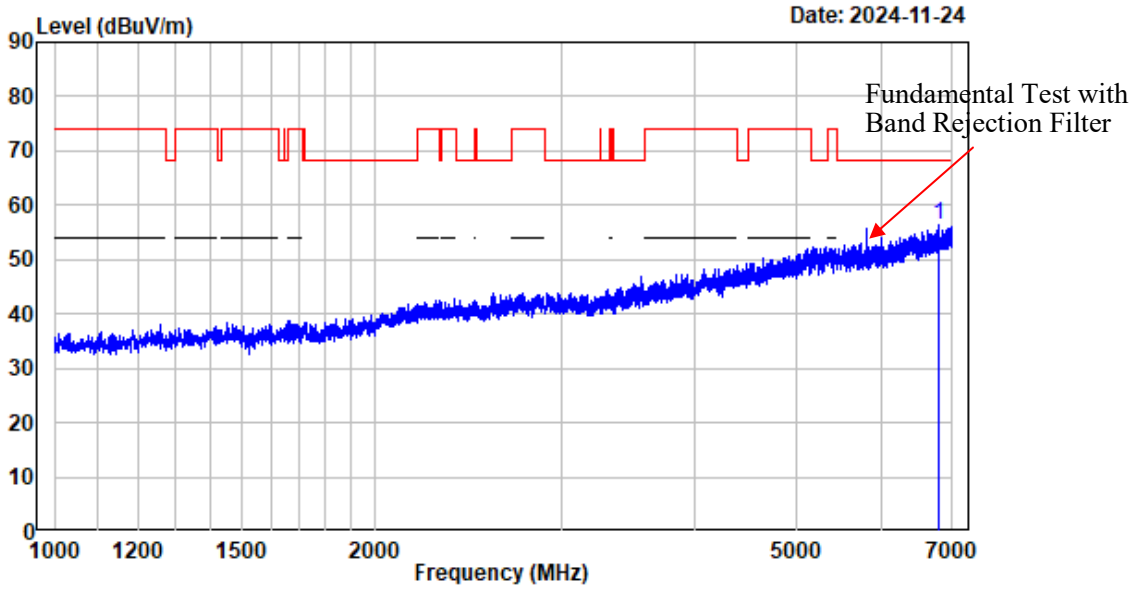
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6964.746	8.67	47.00	55.67	68.20	-12.53	Peak

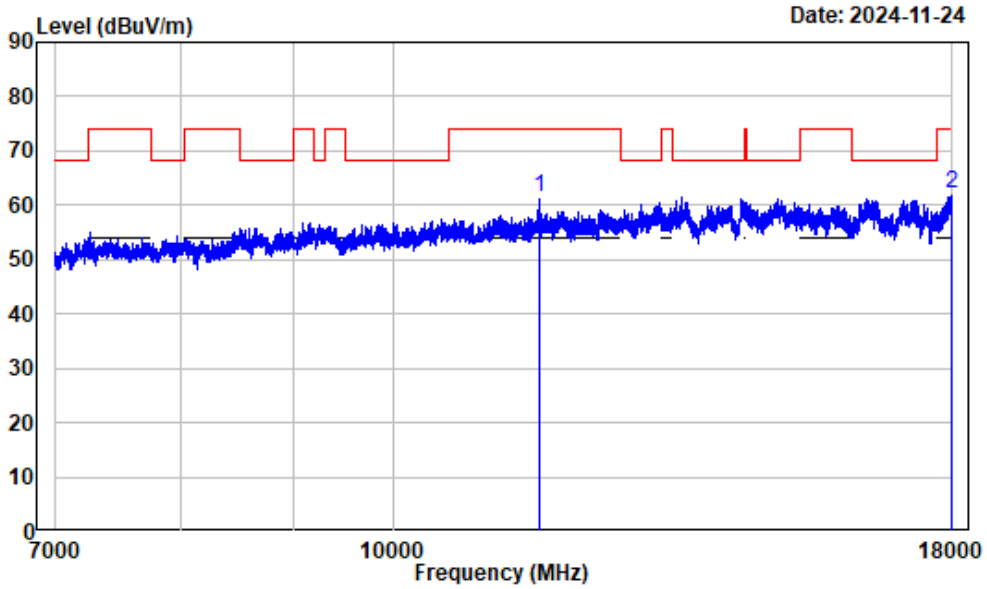
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6807.226	7.43	49.07	56.50	68.20	-11.70	Peak

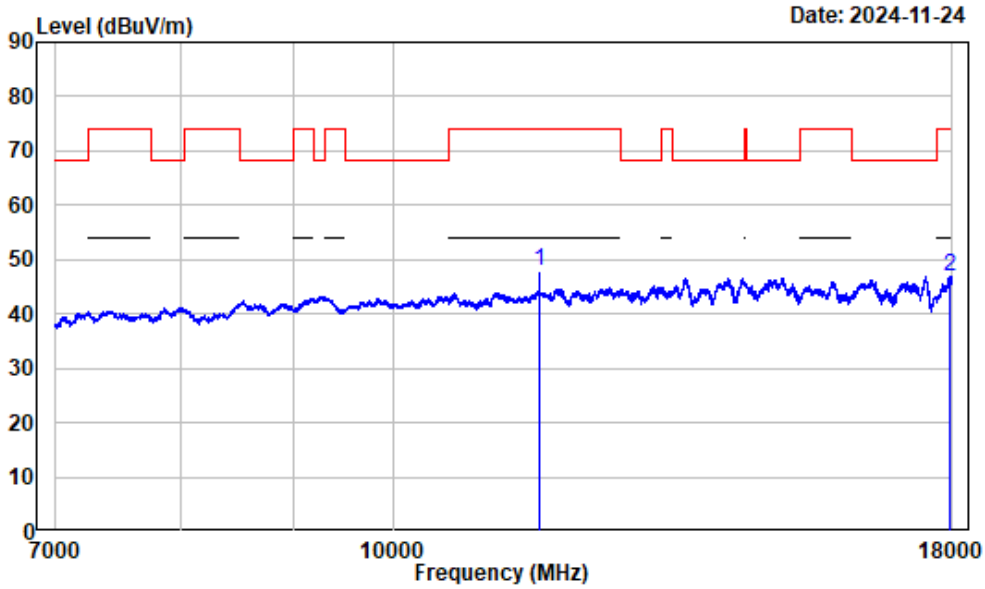
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	47.49	61.32	74.00	-12.68	Peak
2	17987.620	24.53	37.47	62.00	74.00	-12.00	Peak

7-18GHz_Horizontal_Average

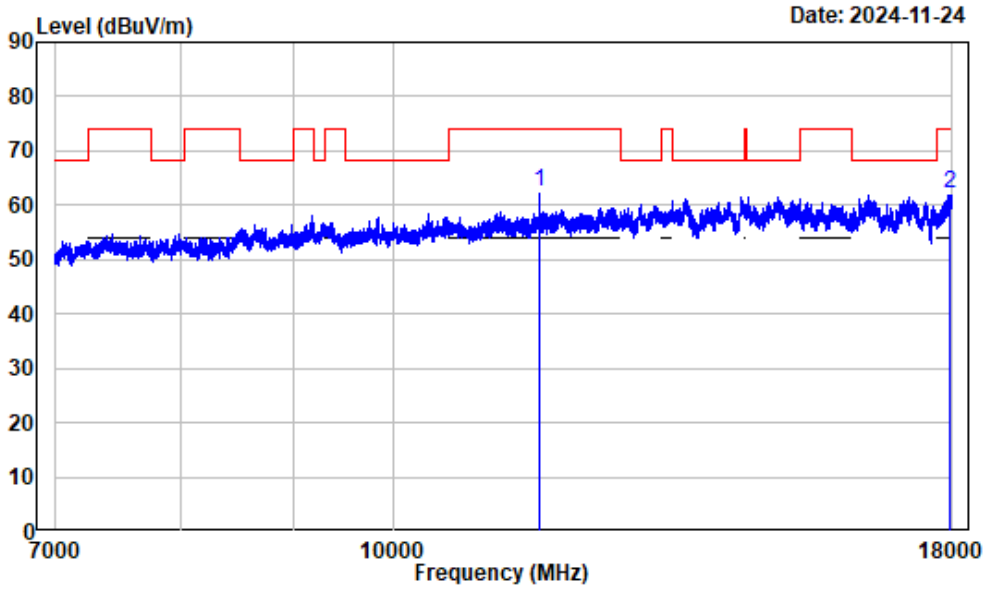


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.02	47.85	54.00	-6.15	Average
2	17953.240	24.29	22.59	46.88	54.00	-7.12	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

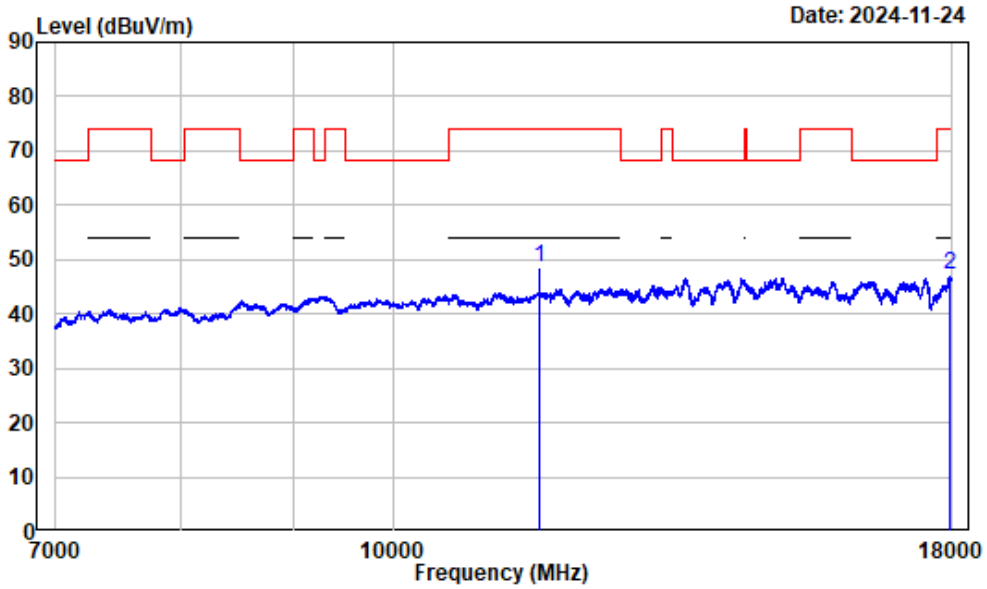
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	48.54	62.37	74.00	-11.63	Peak
2	17947.740	24.24	37.97	62.21	74.00	-11.79	Peak

7-18GHz_Vertical_Average

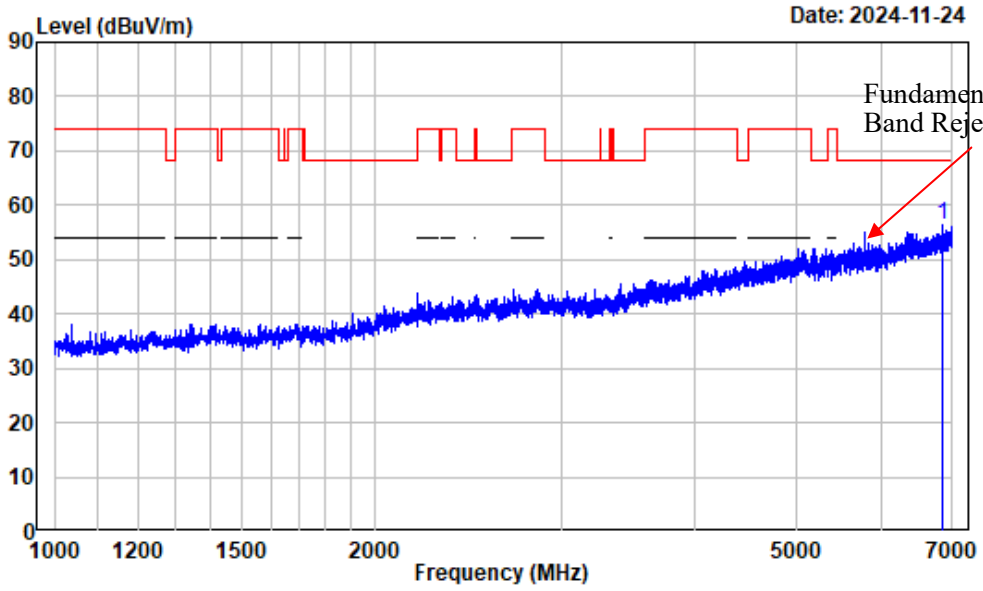


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.61	48.44	54.00	-5.56	Average
2	17949.120	24.25	22.86	47.11	54.00	-6.89	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

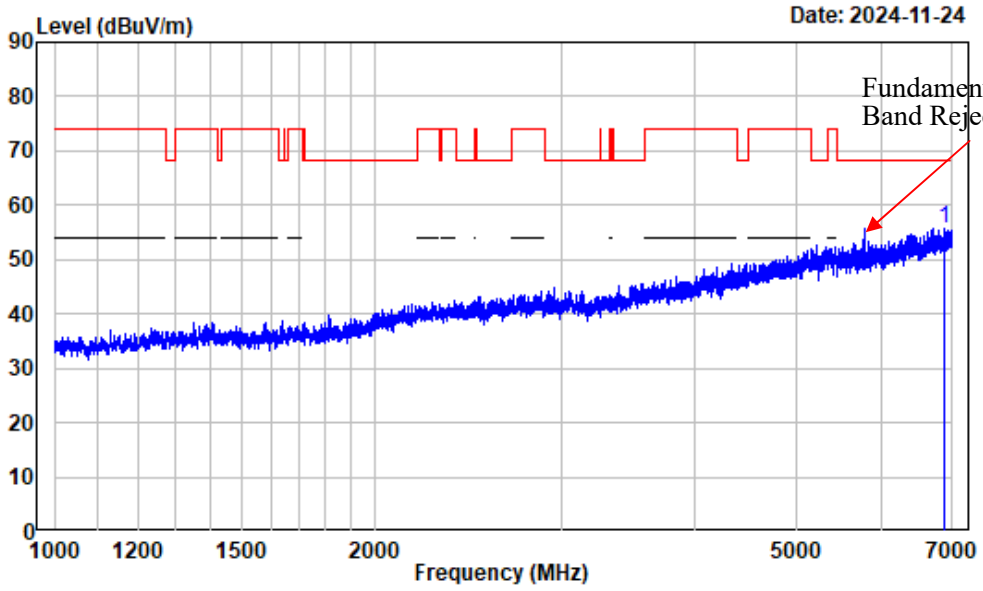
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6858.982	7.91	48.48	56.39	68.20	-11.81	Peak

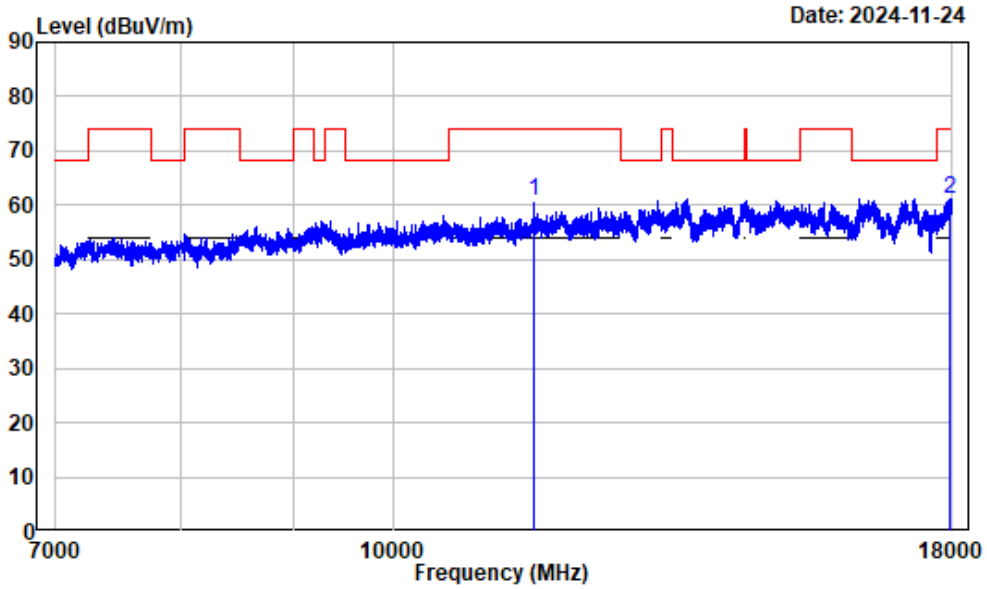
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6892.737	8.06	47.71	55.77	68.20	-12.43	Peak

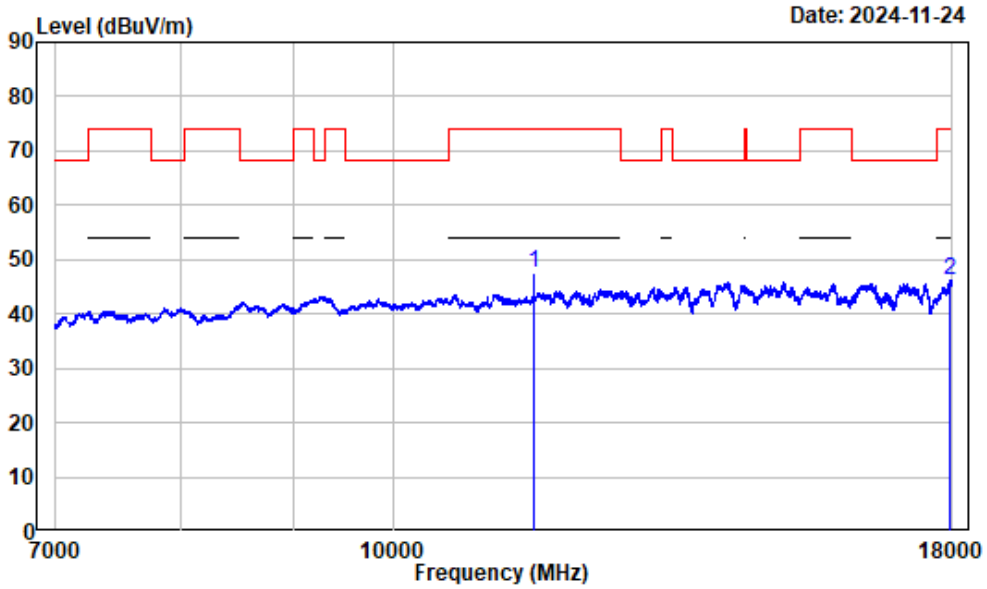
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	46.87	60.84	74.00	-13.16	Peak
2	17950.490	24.27	36.90	61.17	74.00	-12.83	Peak

7-18GHz_Horizontal_Average

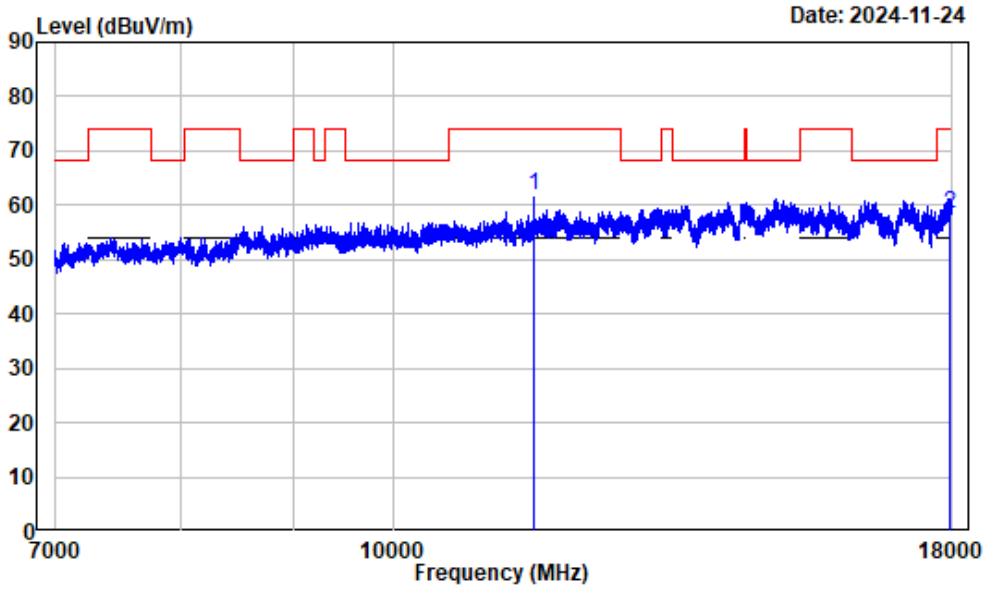


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	33.41	47.38	54.00	-6.62	Average
2	17958.740	24.33	21.85	46.18	54.00	-7.82	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

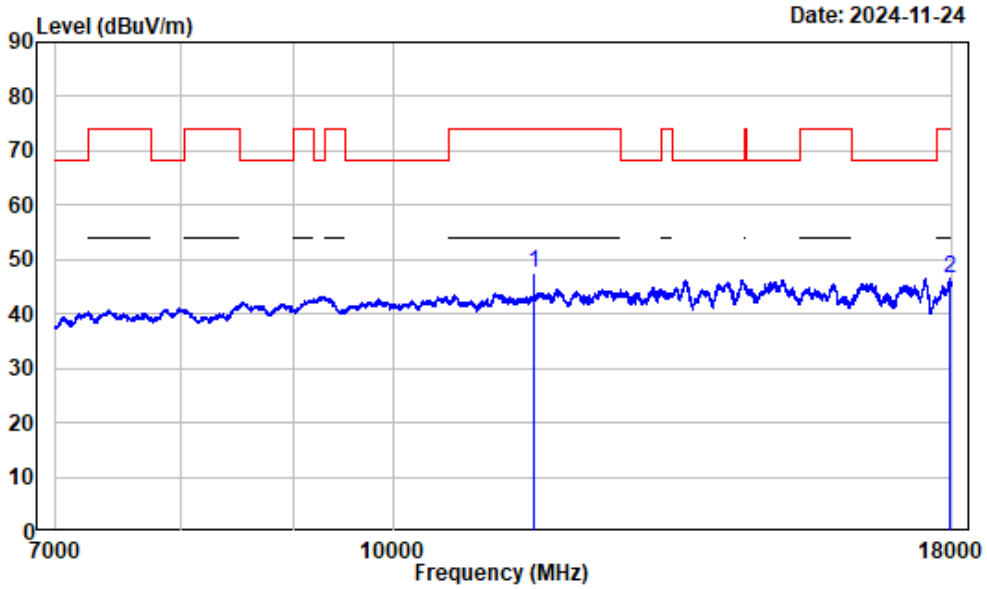
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	47.68	61.65	74.00	-12.35	Peak
2	17971.120	24.42	33.98	58.40	74.00	-15.60	Peak

7-18GHz_Vertical_Average

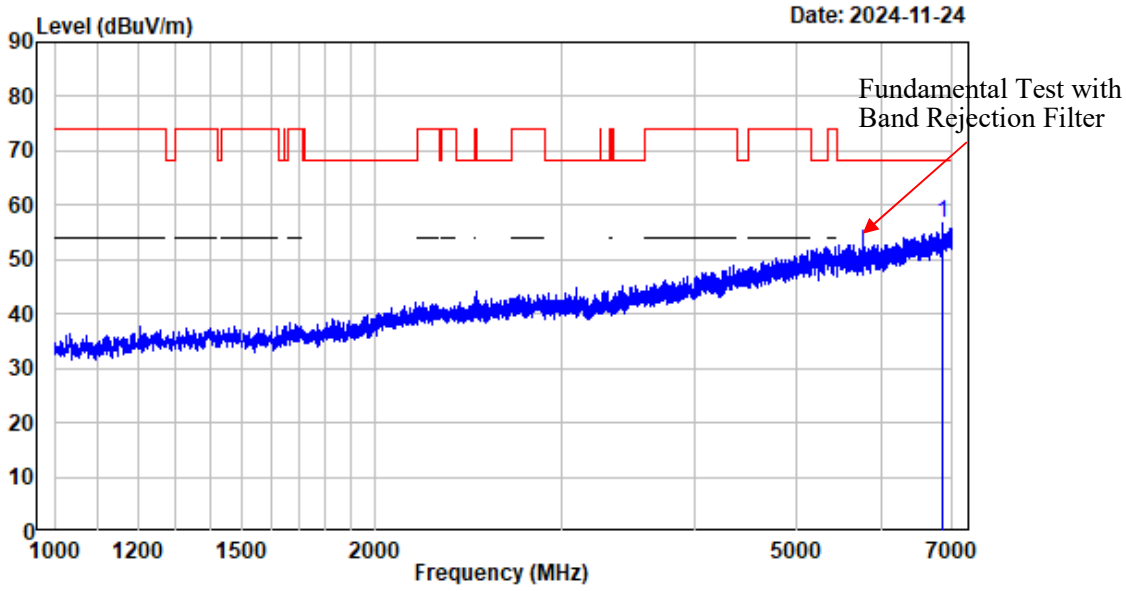


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	33.74	47.71	54.00	-6.29	Average
2	17943.620	24.22	22.21	46.43	54.00	-7.57	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

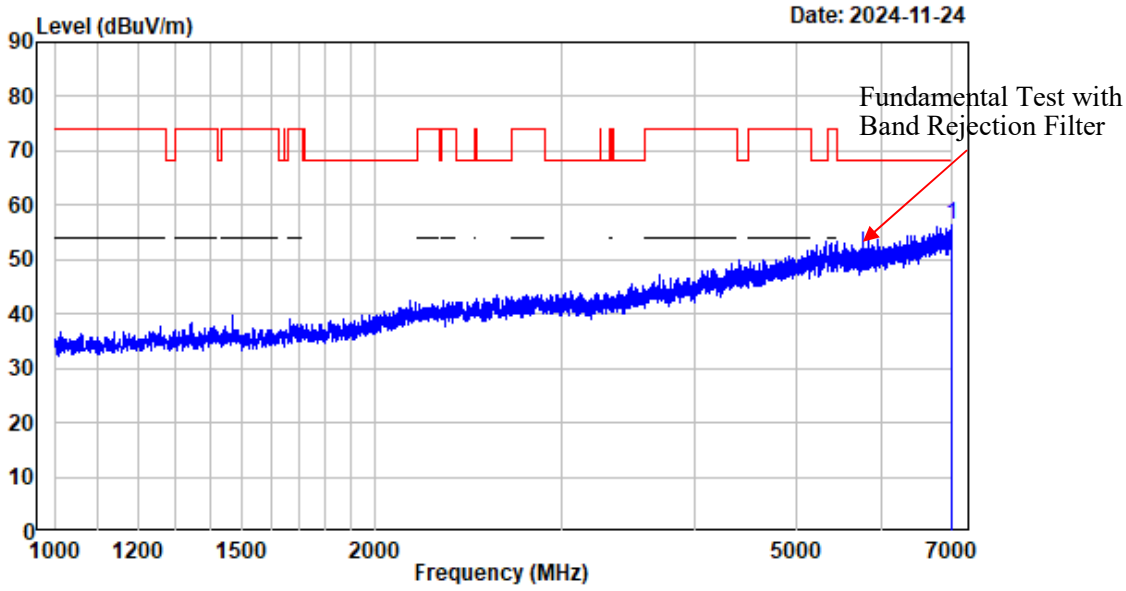
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6843.230	7.81	48.95	56.76	68.20	-11.44	Peak

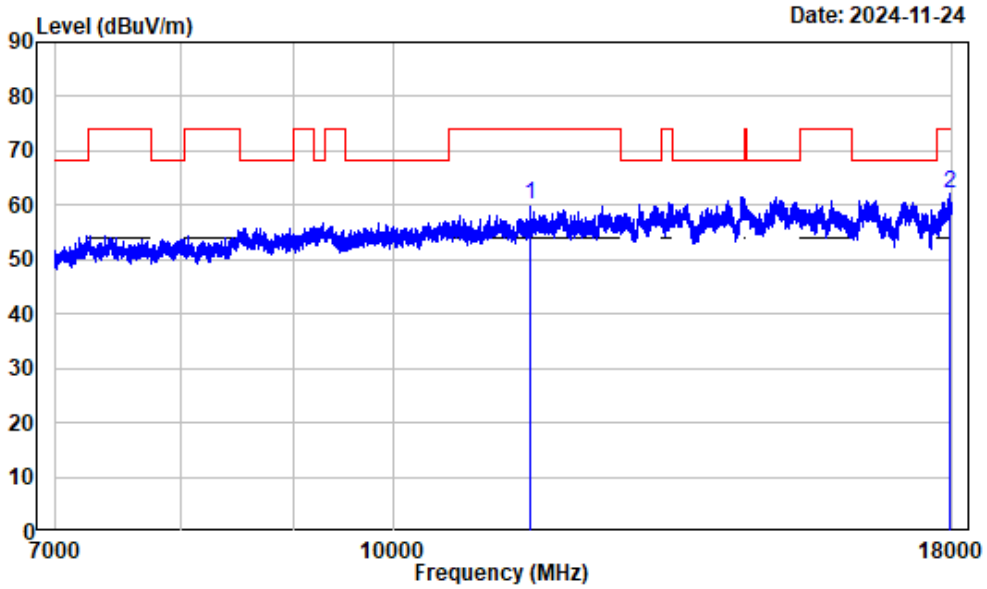
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6981.248	8.64	47.62	56.26	68.20	-11.94	Peak

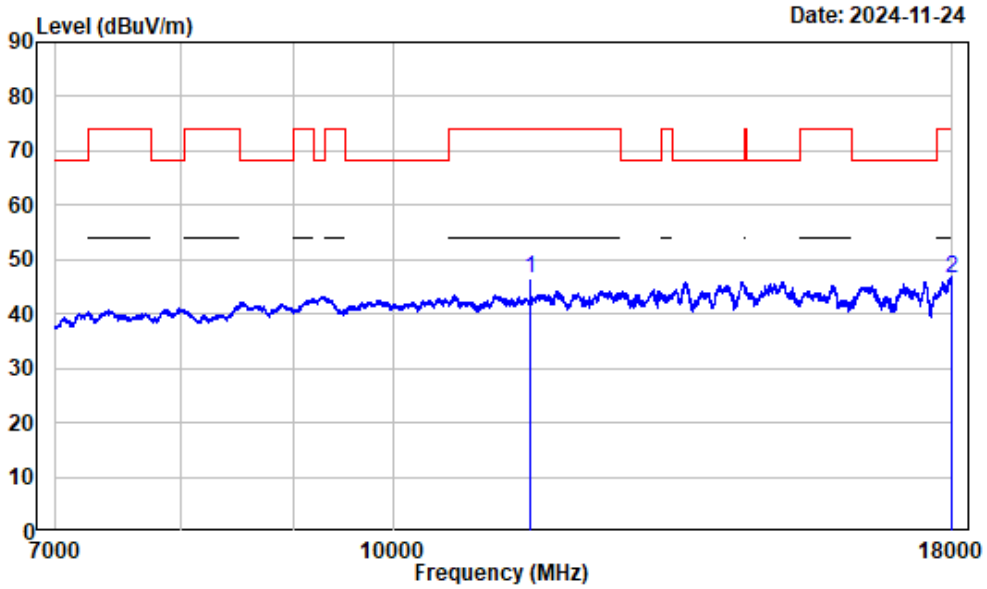
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	45.94	60.07	74.00	-13.93	Peak
2	17955.990	24.31	37.82	62.13	74.00	-11.87	Peak

7-18GHz_Horizontal_Average

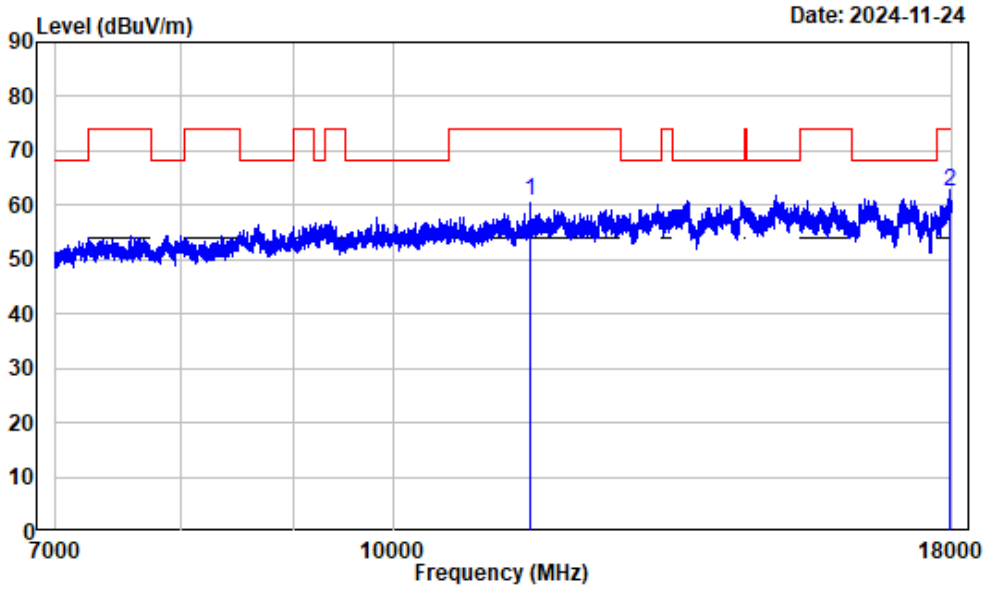


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	32.55	46.68	54.00	-7.32	Average
2	17998.630	24.61	22.08	46.69	54.00	-7.31	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

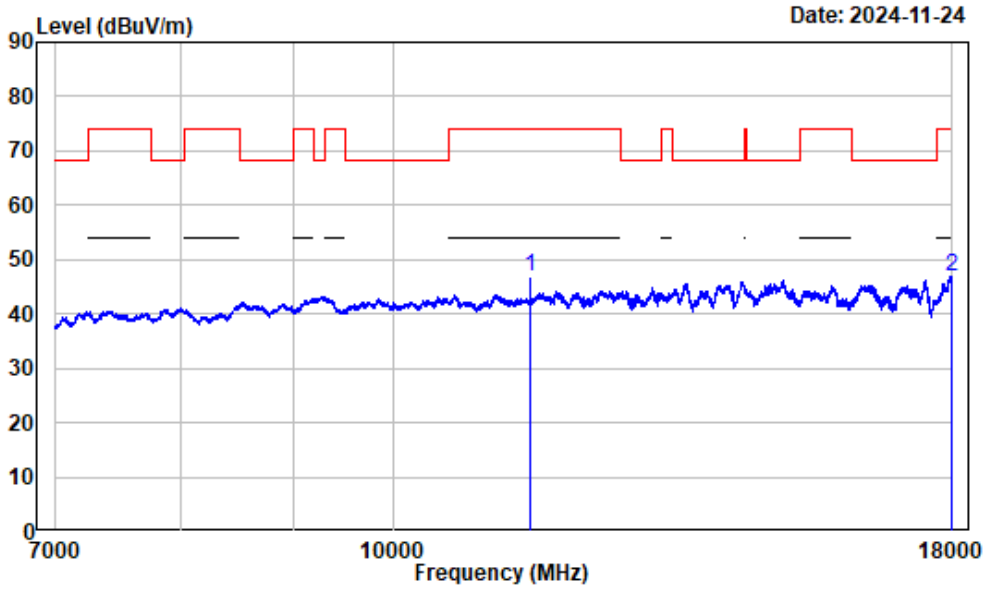
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	46.70	60.83	74.00	-13.17	Peak
2	17947.740	24.24	38.18	62.42	74.00	-11.58	Peak

7-18GHz_Vertical_Average

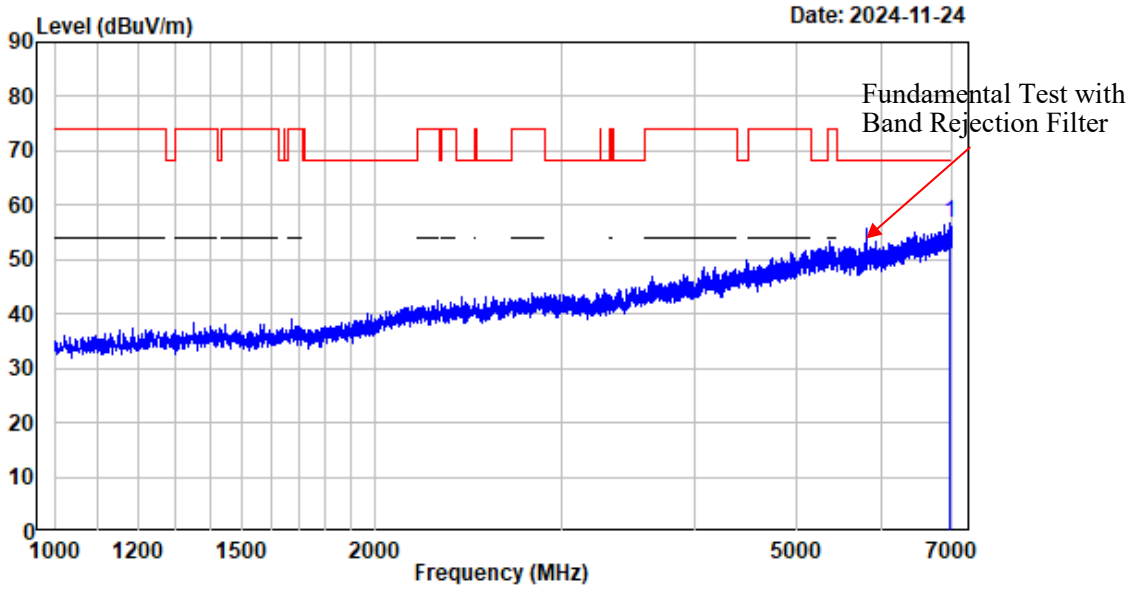


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AC80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	32.89	47.02	54.00	-6.98	Average
2	17995.880	24.59	22.31	46.90	54.00	-7.10	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

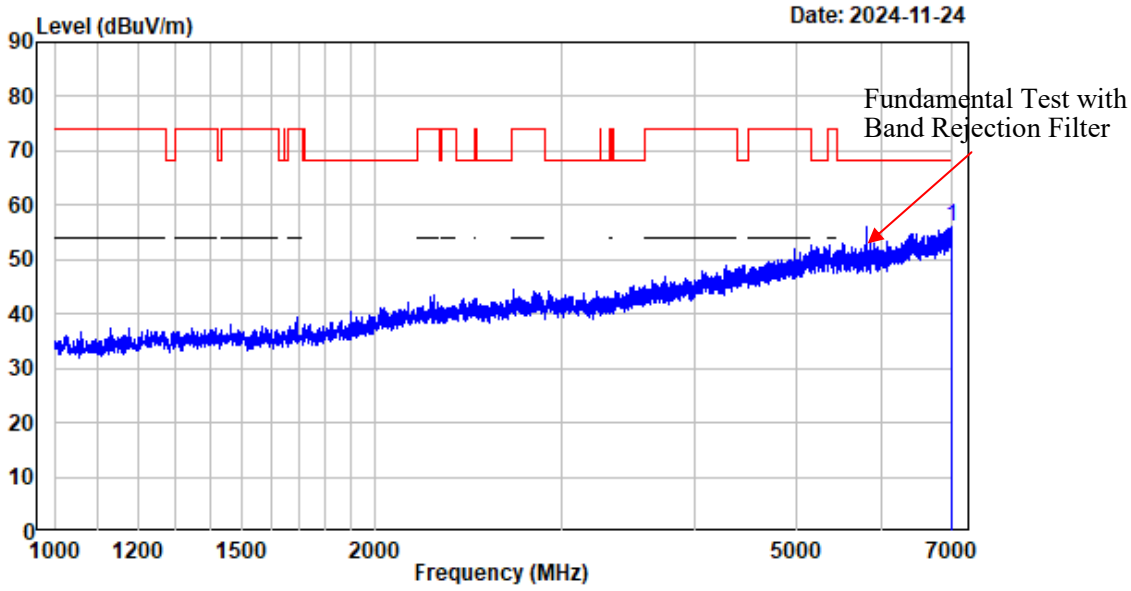
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6952.744	8.69	48.00	56.69	68.20	-11.51	Peak

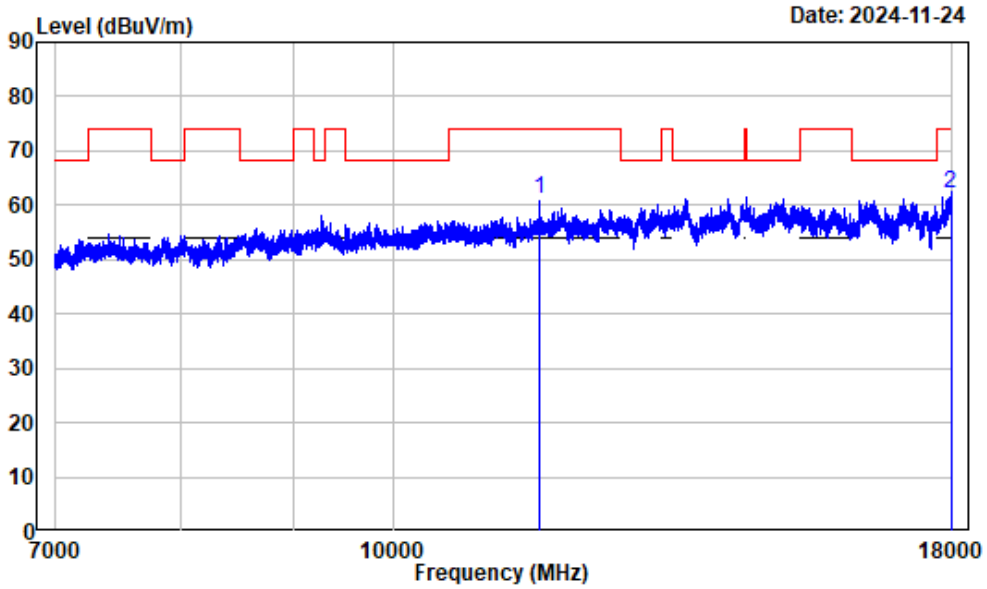
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6999.250	8.61	47.56	56.17	68.20	-12.03	Peak

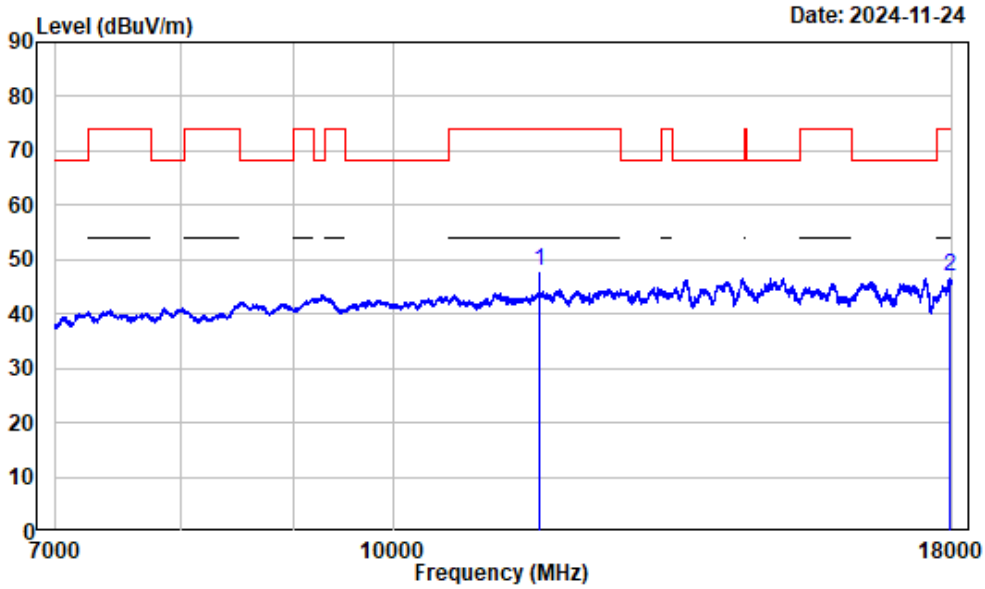
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	47.17	61.00	74.00	-13.00	Peak
2	17973.870	24.44	37.60	62.04	74.00	-11.96	Peak

7-18GHz_Horizontal_Average

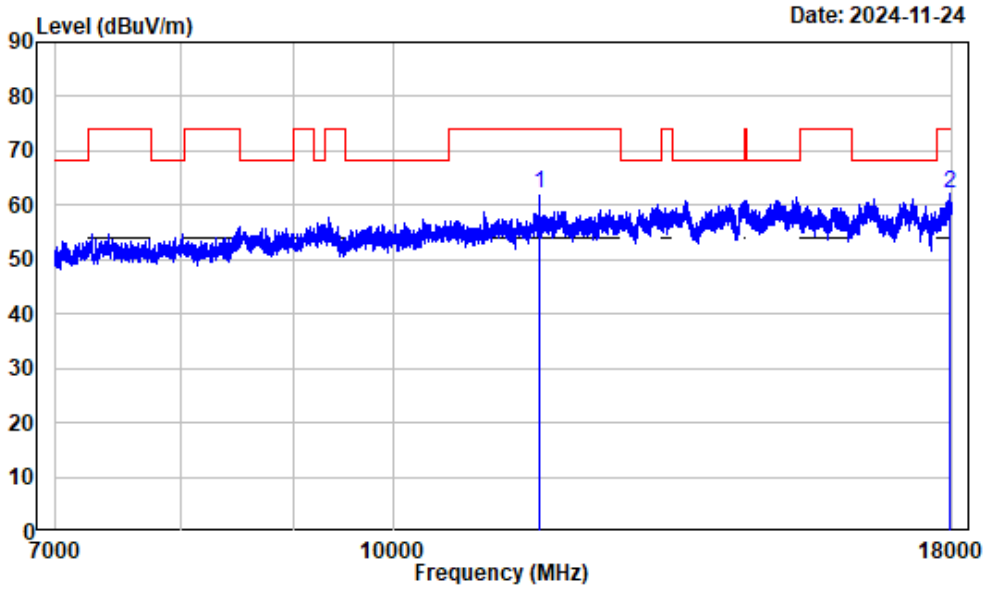


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.08	47.91	54.00	-6.09	Average
2	17953.240	24.29	22.43	46.72	54.00	-7.28	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

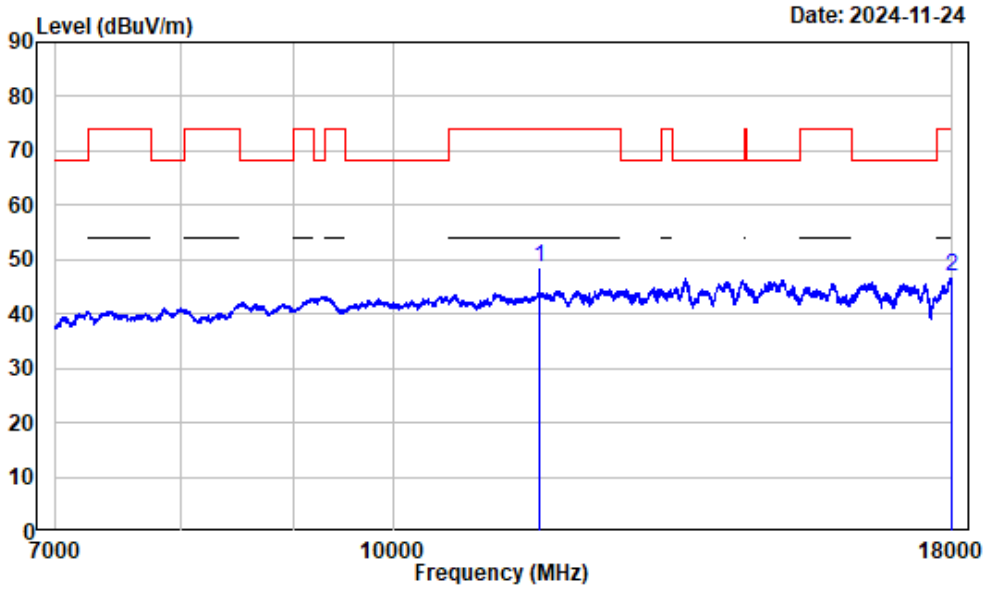
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	48.31	62.14	74.00	-11.86	Peak
2	17942.240	24.21	38.02	62.23	74.00	-11.77	Peak

7-18GHz_Vertical_Average

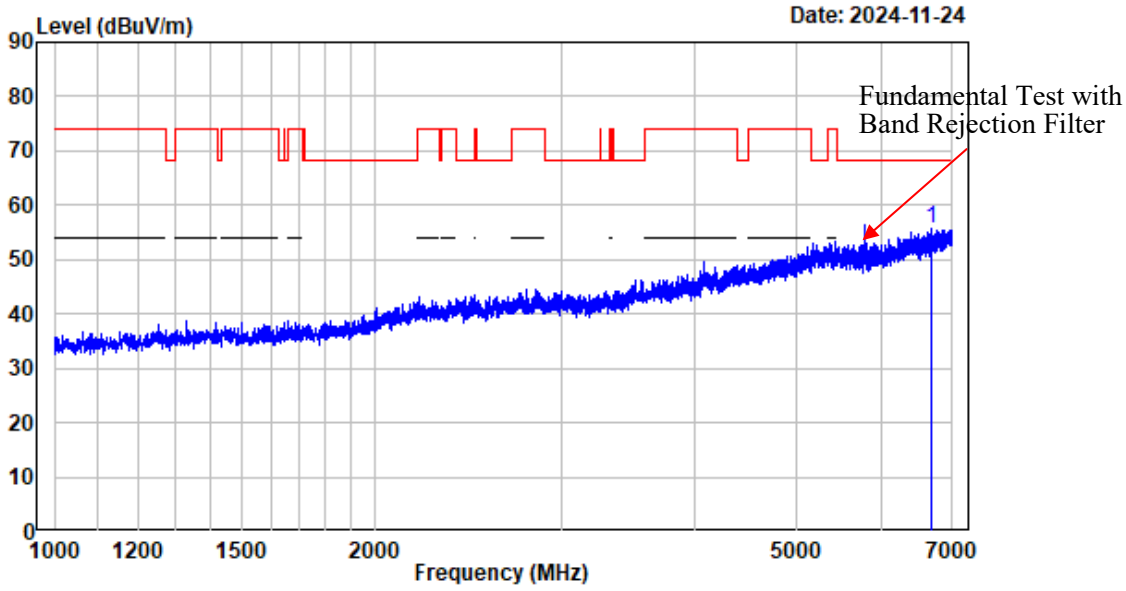


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX20-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11650.000	13.83	34.65	48.48	54.00	-5.52	Average
2	17998.630	24.61	22.36	46.97	54.00	-7.03	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

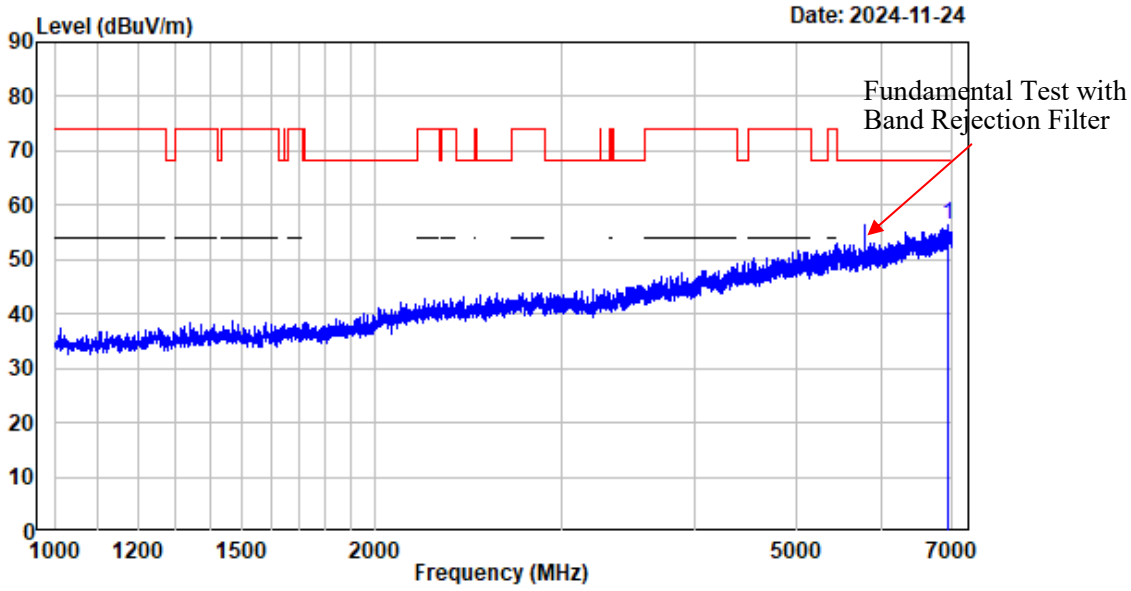
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6701.463	7.04	48.51	55.55	68.20	-12.65	Peak

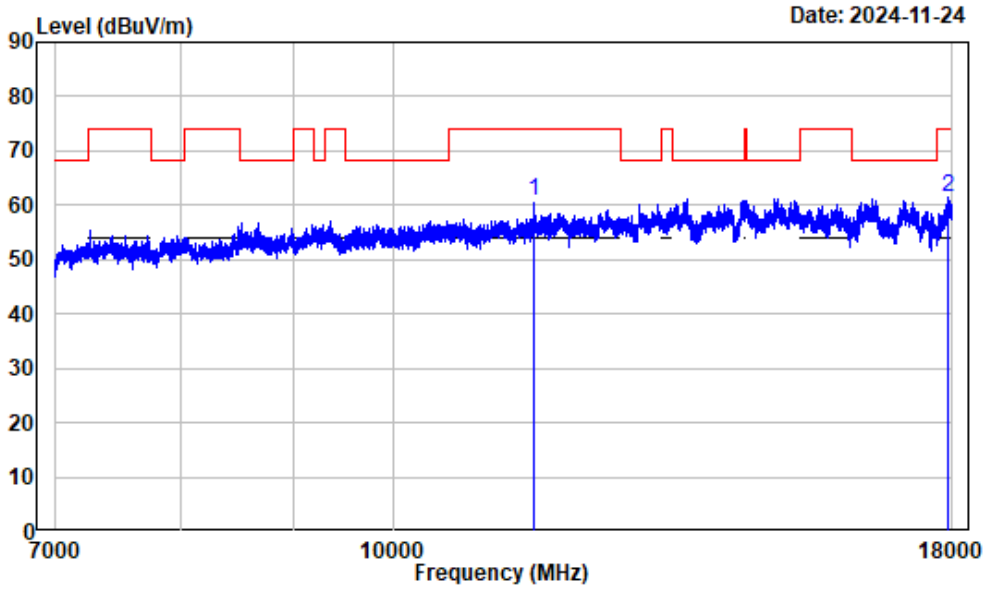
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6943.743	8.62	47.80	56.42	68.20	-11.78	Peak

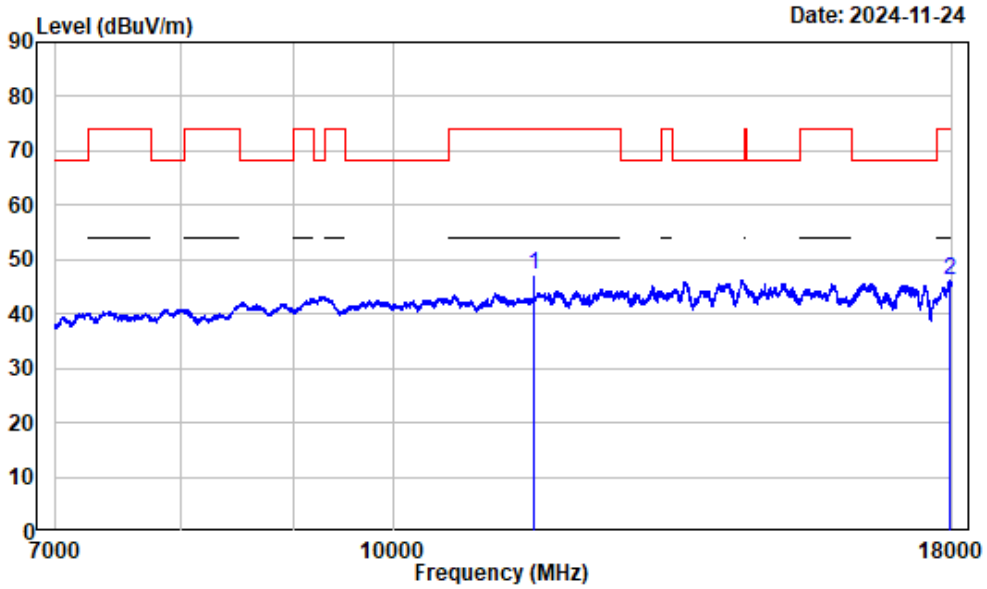
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	46.67	60.64	74.00	-13.36	Peak
2	17936.740	24.17	37.34	61.51	74.00	-12.49	Peak

7-18GHz_Horizontal_Average

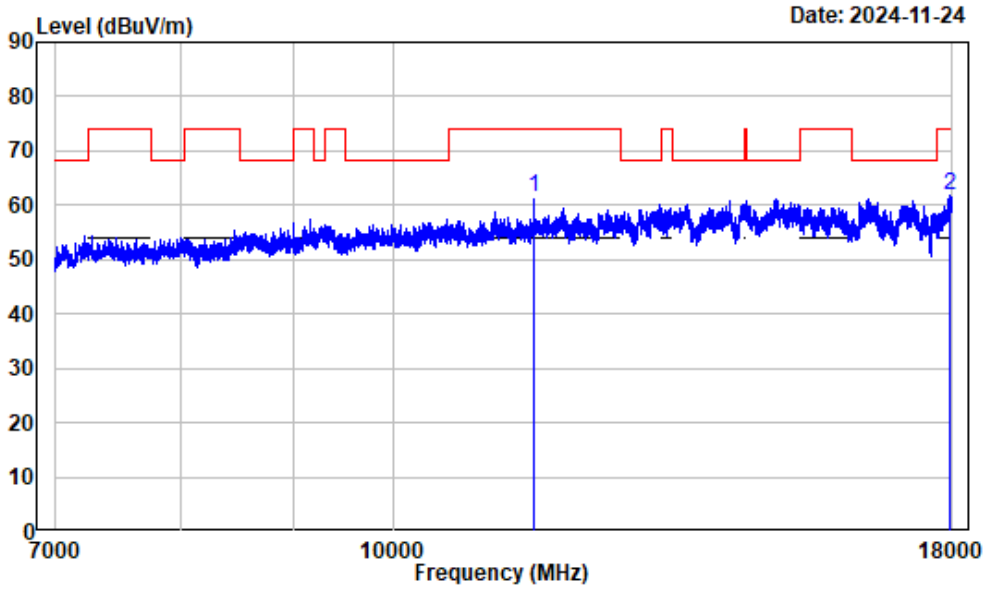


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	33.29	47.26	54.00	-6.74	Average
2	17953.240	24.29	21.98	46.27	54.00	-7.73	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

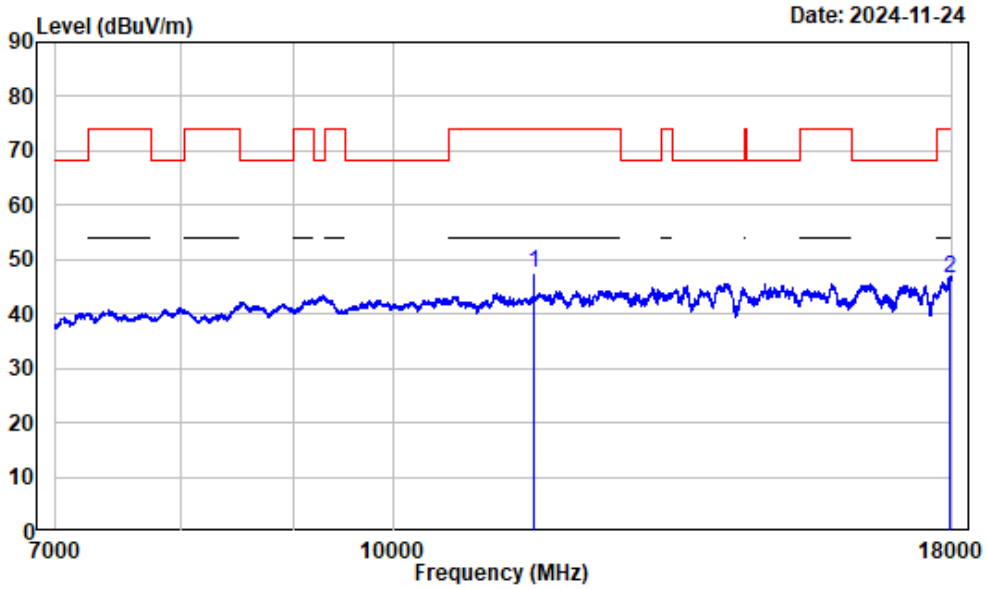
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	47.48	61.45	74.00	-12.55	Peak
2	17968.370	24.40	37.54	61.94	74.00	-12.06	Peak

7-18GHz_Vertical_Average

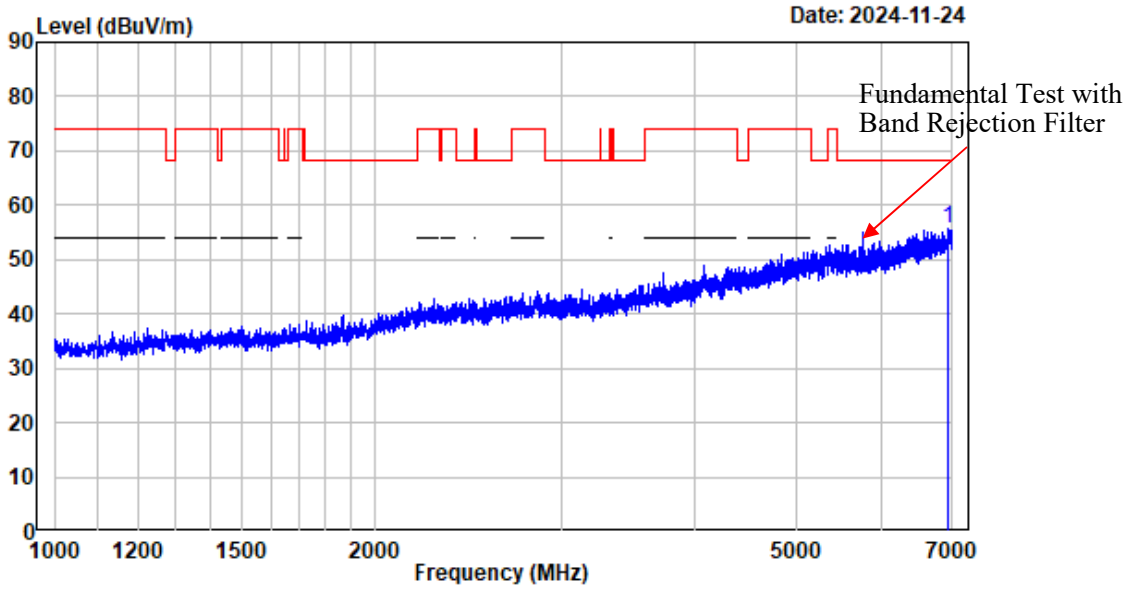


Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX40-5795

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11590.000	13.97	33.66	47.63	54.00	-6.37	Average
2	17953.240	24.29	22.30	46.59	54.00	-7.41	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

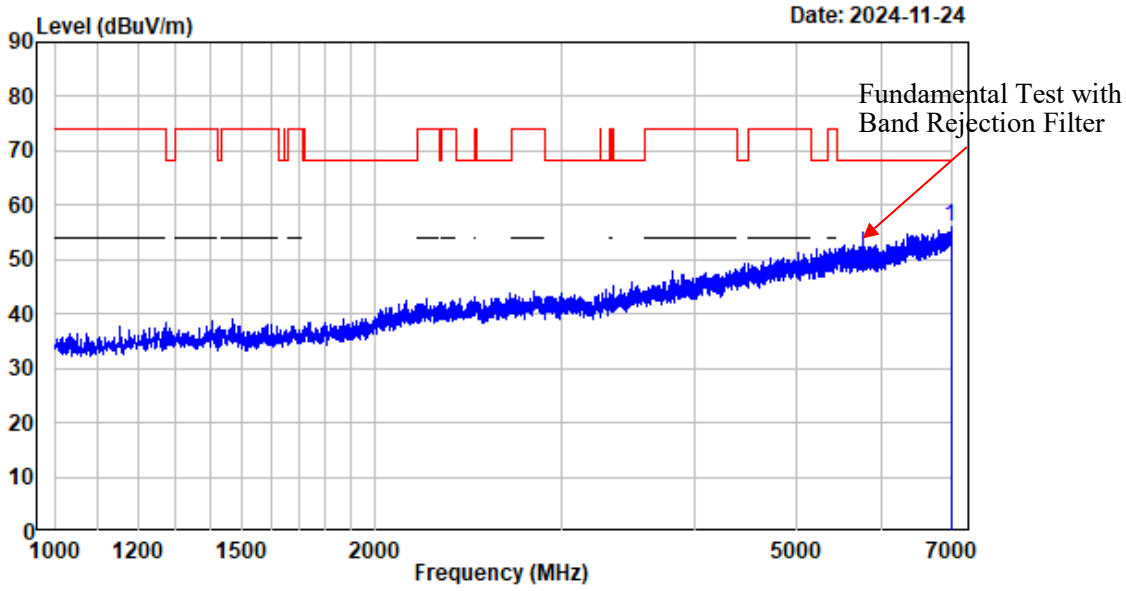
1-7GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6938.492	8.55	47.27	55.82	68.20	-12.38	Peak

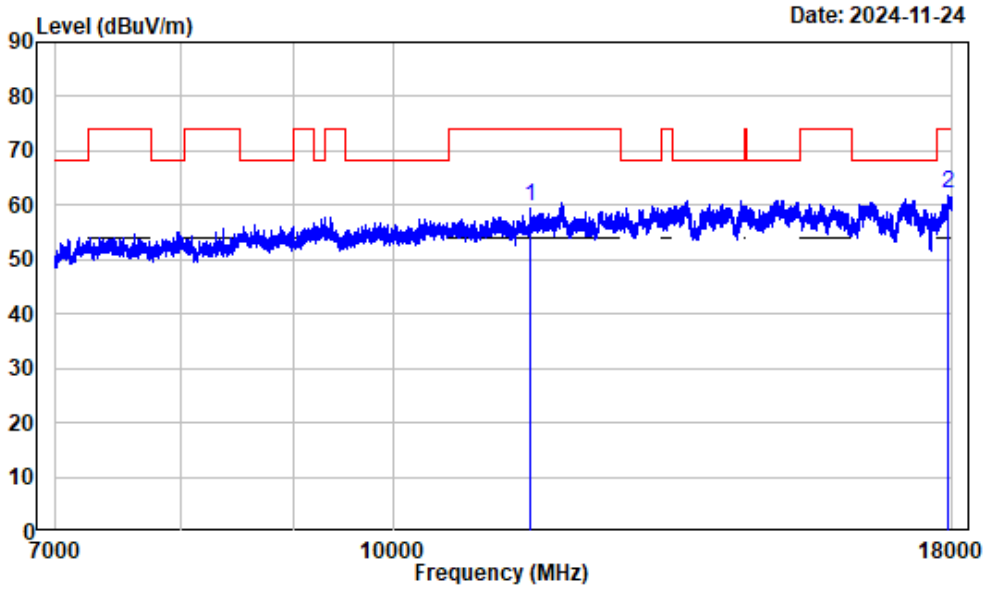
1-7GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	6978.998	8.64	47.52	56.16	68.20	-12.04	Peak

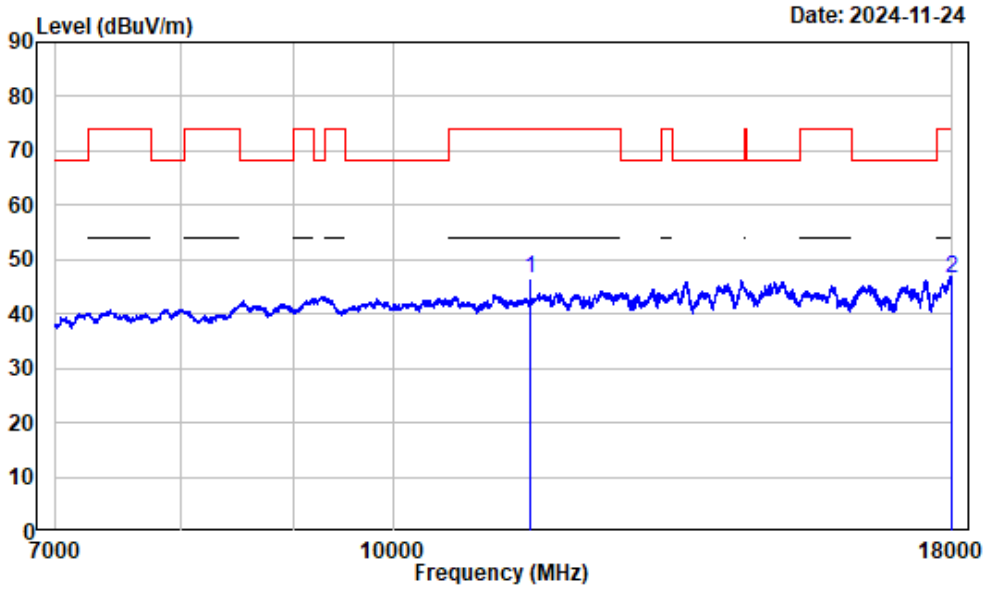
7-18GHz_Horizontal_Peak



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	45.81	59.94	74.00	-14.06	Peak
2	17916.120	24.02	38.00	62.02	74.00	-11.98	Peak

7-18GHz_Horizontal_Average

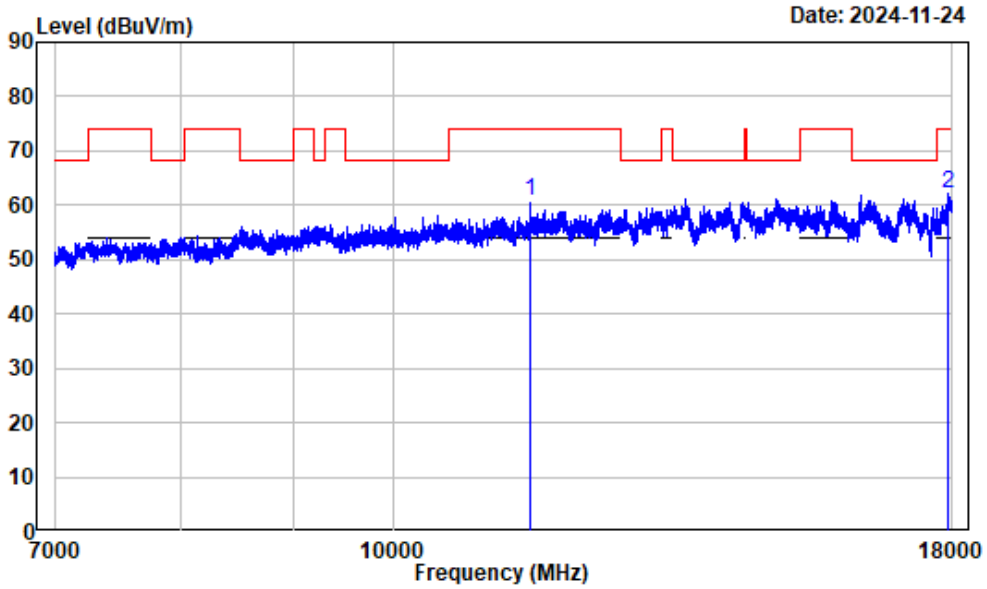


Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	32.43	46.56	54.00	-7.44	Average
2	17991.750	24.56	22.02	46.58	54.00	-7.42	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

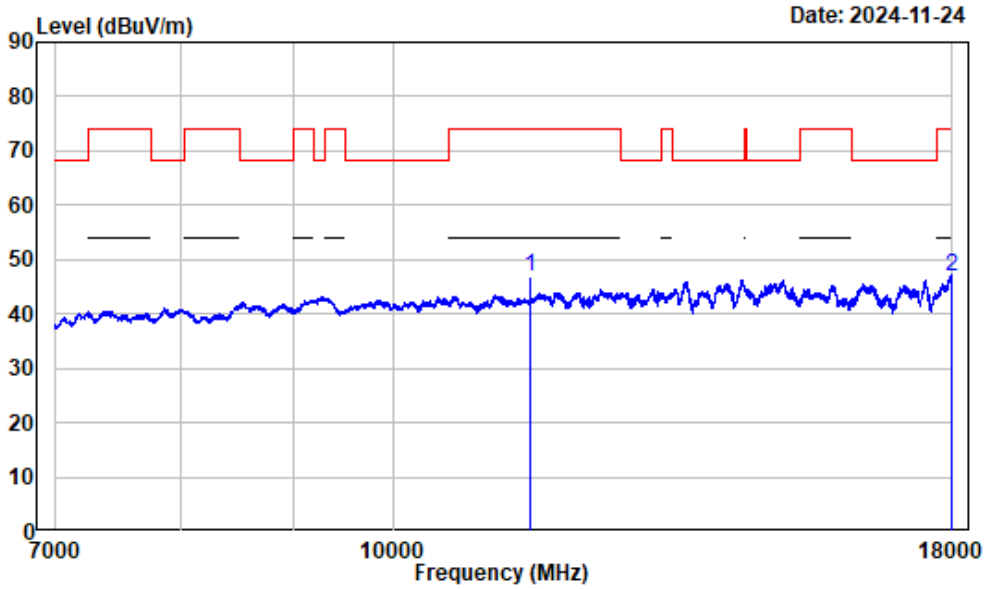
7-18GHz_Vertical_Peak



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	46.64	60.77	74.00	-13.23	Peak
2	17918.870	24.05	38.24	62.29	74.00	-11.71	Peak

7-18GHz_Vertical_Average



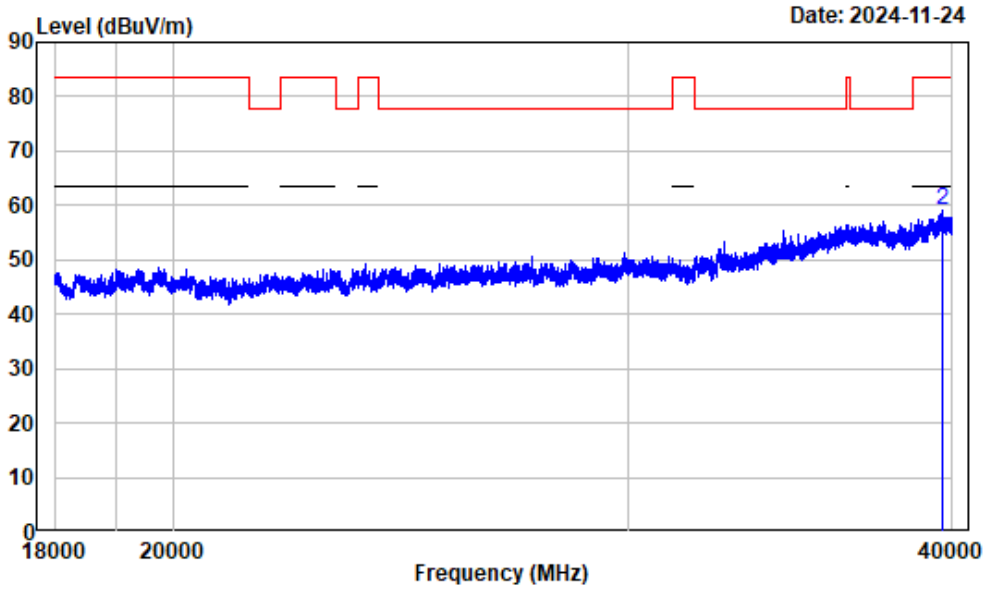
Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-AX80-5775

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	11550.000	14.13	32.76	46.89	54.00	-7.11	Average
2	17998.630	24.61	22.19	46.80	54.00	-7.20	Average

Note: Spectrum Analyzer Setting: RBW=1MHz, VBW=5kHz

18-40GHz (*only test with the worst harmonic margin***):**

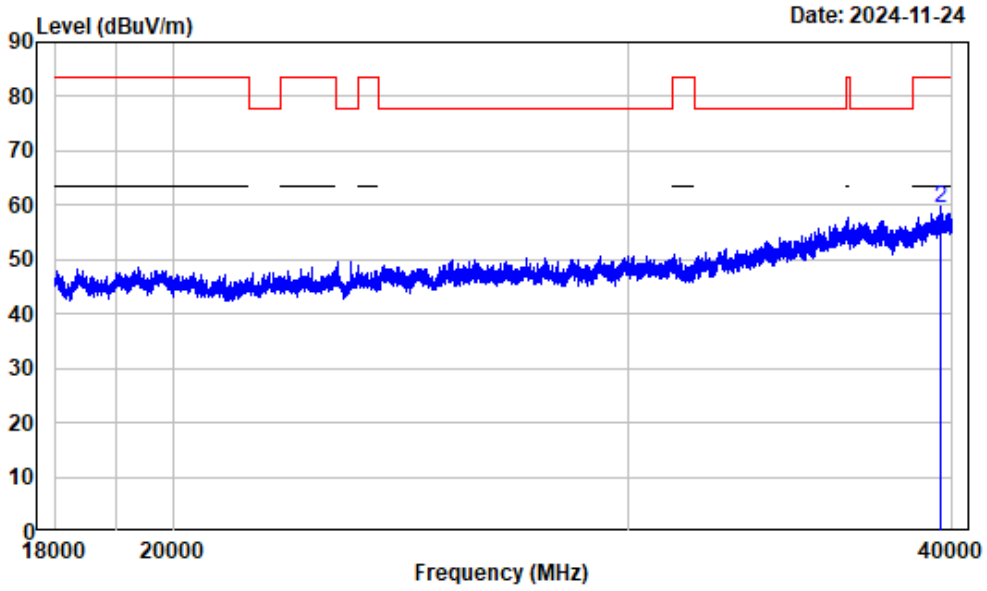
18-40GHz_Horizontal



Condition : Horizontal
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39631.450	22.74	30.75	53.49	63.50	-10.01	Average
2	39631.450	22.74	36.38	59.12	83.50	-24.38	Peak

18-40GHz_Vertical



Condition : Vertical
Project No.: 2401Y99992E-RF
Tester : Zenos Qiao
Note : 5GWiFi-Band4-A-5825

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39573.700	22.74	30.99	53.73	63.50	-9.77	Average
2	39573.700	22.74	36.74	59.48	83.50	-24.02	Peak

RF Conducted data

The test data please refer to the Appendix.

Test Items	Test Data
Transmitter Output Power	Appendix A
Emission Bandwidth & 99% Bandwidth	Appendix A
Power Spectral Density	Appendix A
Duty Cycle	Appendix A

RF EXPOSURE EVALUATION

MPE-Based Exemption

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemptionfrom further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	1,920 R^2.
1.34-30	3,450 R^2/f^2.
30-300	3.83 R^2.
300-1,500	0.0128 R^2f.
1,500-100,000	19.2R^2.

R is the minimum separation distance in meters
f = frequency in MHz

Result

Mode	Frequency (MHz)	Tune up conducted power#	Antenna Gain#		ERP		Evaluation Distance (m)	ERP Limit (mW)
		(dBm)	(dBi)	(dBd)	(dBm)	(mW)		
BT	2402-2480	9.5	4.2	2.05	11.55	14.289	0.2	768
BLE	2402-2480	7.0	4.2	2.05	9.05	8.035	0.2	768
2.4G Wi-Fi	2412-2462	25.0	4.2	2.05	27.05	506.991	0.2	768
5.2G Wi-Fi	5180-5240	14.5	5.2	3.05	17.55	56.885	0.2	768
5.8G Wi-Fi	5745-5825	15.5	5.2	3.05	18.55	71.614	0.2	768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
2. The BT, 2.4G Wi-Fi and 5G Wi-Fi cannot transmit at same time.
3. 0dBd=2.15dBi

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant.

EUT PHOTOGRAPHS

Please refer to the attachment 2401Y99992E-RF External photo and 2401Y99992E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401Y99992E-RFD Test Setup photo.

******* END OF REPORT *******